



# 学科信息服务简报

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## 第 2 期

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# 信息海洋的指南针——图书馆数字资源及网络可用资源

## 导引（二）

### 1、图书馆试用数据库简介

图书馆网址：<http://lib2.gznc.edu.cn/>。

资源名称	资源介绍	收录年限
RESSET 金融研究数据库	RESSET/DB 金融研究数据库包括股票、固定收益、基金、宏观、行业、港股、外汇、期货、黄金等系列，百余个数据库数百张中英文表，近两万个字段的内容，覆盖范围广泛，囊括经济、金融、会计实证与投资研究所需的绝大部分数据。	
网上报告厅	爱迪科森公司的《网上报告厅》有机整合了中央党校、中央电视台、清华大学、中华医学会、中国经济 50 人、中评网、解放军卫生音像出版社论坛等权威学术机构的专家报告资源，开发了“学术报告”、“学术鉴赏”等视频报告群。包括理工类、经管类、文史类、就业择业、法律视点、文体教学、综合素质、心理健康等系列。	
就业培训数据库	该库涵盖了大学生毕业时面临的公务员考试、研究生考试、司法考试、就业、创业、出国深造等六个主要分流方向。能够直接对大学生的就业和深造提供培训服务，使大学生实现从“知识”到“能力”的转化，从而在就业时占有主动地位。《就业培训数据库》分为九个子库：公务员考试、研究生考试、司法考试、就业培训、创业指导、职业考试、外语学习、计算机技能、图书馆员培训。	
外文学术期刊检索服务系统 (FAJS)	收录期刊 20000 余种，其中核心期刊、SCI 或 SSCI 收录期刊共 8000 余种。按照国际惯例并参照中图法标准确立分类体系，分为五大基本类（农业与生物、工程技术、人文与社会科学、医药卫生、自然科学）和二十二个大类。数据类型为题录文摘型，系统提供原文传递服务。	2000 年至今，部分期刊回溯至创刊年
外文开放存取期刊集成服务系统 (FOAS)	可自动收割优质外文 OA（开放存取）期刊 13000 余种，其中含核心期刊、SCI 或 SSCI、EI 等检索工具收录期刊、同行评审期刊共 5000 余种。	

晚清期刊 全文数据库	《全国报刊索引》编辑部秉承“普及知识、传承文明”的出版理念，制作并推出的数字化产品《晚清期刊全文数据库（1833~1911）》，共收录了从1833年至1911年间出版的三百余种期刊，几乎囊括了当时出版的所有期刊，拥有众多的“期刊之最”，是研究晚清历史的专业人士必备的数据库检索工具。	1833~1911
民国时期期刊 全文数据库	《民国时期期刊全文数据库（1911~1949）》计划收录民国时期（1911~1949）出版的两万余种期刊，一千五百余万篇文献，内容集中反映这一时期的政治、军事、外交、经济、教育、思想文化、宗教等各方面的情况。《全国报刊索引》编辑部将采取分批出版方式，逐步推出各辑产品，首批推出三辑。第一辑：1142种，31533期；第二辑：1245种，28263期；第三辑：1145种，31382期。	1911~1949
中科考试 学习库	你还在为复习备考英语四六级、计算机二三级、考研、公务员等考试发愁吗？你还在为买昂贵的考试辅导书发愁吗？试试中科软股研发的《中科VIPEXam考试学习资源数据库》吧！该数据库内收录了十一大类600余个考试科目的模拟试卷和历年真题试卷，以及最全面的学习资料和考试信息，是帮助广大考生复习备考各种专业考试和认证考试的理想工具！	
冰果英语 数据库	冰果英语数据库具有五大优势：1、强大词库，让你打下英语的坚实基础；2、动态诊断，让你更聪明地学习；3、智能口语，让你自信地开口说英语；4、作文智能评阅，让你重新产生写作的动力；5、权威考试模拟，让你轻松考出好成绩。	

## 2、网络资源推荐：国家精品课程资源网

### 国家精品课程资源网 (<http://www.jingpinke.com/>)

国家精品课程资源中心是在教育部质量工程大背景下，根据教育部文件成立的，面向广大教师和学生提供优质教育资源服务的国家级资源中心。中心的主要任务是推广精品课程共享信息技术标准与规范；促进优质教育资源共建共享；建设资源共建共享的可持续发展机制；推动基于资源的教学新模式改革。

网站集中展示了4000多门国家级精品课程和2400门国外OpenCourseWare课程，初步具备信息发布、课程展示、课程检索、课程评价等基本功能，建成了适应精品课程存储、检索、服务运行需求的支撑环境，为教育资源共建共享和可持续发展打下了坚实的基础，是广大教师和学生网络教学应用的坚强后盾。

在围绕精品课程的同时，国家精品课程资源网也提供诸如教学资源、教材、教育软件等内容的展示。做到以精品课程为基础，为广大教师和学生提供更为广泛的教育教学服务。

## 贵州民族学院 2006—2010 年被SCI-EXPANDED收录的论文

(检索结果按时间倒序排列)

<b>1</b>	标题:	Study on Removing the Lamp Spectrum Structure in Differential Optical Absorption Spectroscopy
	第一作者:	曲晓英 (理学院) Qu, XY (Qu Xiao-ying) (Coll Sci)
	来源出版物:	SPECTROSCOPY AND SPECTRAL ANALYSIS 卷: 30 期: 11 页: 2897-2901 DOI: 10.3964/j.issn.1000-0593(2010)11-2897-05 出版年: NOV 2010
<b>2</b>	标题:	Theoretical study on the water-catalyzed reaction of glyoxal with OH radical
	第一作者:	龙 波 (计算机与信息工程学院) Long, B (Long, Bo) (Coll Comp & Informat Engn)
	来源出版物:	JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 卷: 956 期: 1-3 页: 44-49 DOI: 10.1016/j.theochem.2010.06.021 出版年: SEP 30 2010
<b>3</b>	标题:	Theoretical studies on energetics and mechanisms of the decomposition of CF(3)OH
	第一作者:	龙 波 (计算机与信息工程学院) Long, B (Long, Bo) (Coll Comp & Informat Engn)
	来源出版物:	CHEMICAL PHYSICS LETTERS 卷: 492 期: 4-6 页: 214-219 DOI: 10.1016/j.cplett.2010.04.052 出版年: JUN 7 2010
<b>4</b>	标题:	Nuclear shape phase transition SU(3)-> U(5)-> SU(3) of the yrast-band structure in (182) Os from nucleonic order
	第一作者:	童 红 (理学院) Tong, H (Tong Hong) (Dept Phys)
	来源出版物:	ACTA PHYSICA SINICA 卷: 59 期: 5 页: 3136-3141 出版年: MAY 2010

5	标题:	Theoretical study on the detailed reaction mechanisms of carbonyl oxide with formic acid
	第一作者:	龙波 (计算机与信息工程学院) Long, B (Long, Bo) (Coll Comp & Informat Engn)
	来源出版物:	JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 卷: 916 期: 1-3 页: 159-167 DOI: 10.1016/j.theochem.2009.09.028 出版年: DEC 30 2009

6	标题:	EIGENVALUE PROBLEM OF ELLIPTIC EQUATIONS WITH HARDY POTENTIAL
	第一作者:	谢朝东 (商学院) Xie, CD (Xie Chaodong) (Sch Econ & Management)
	来源出版物:	ACTA MATHEMATICA SCIENTIA 卷: 29 期: 5 页: 1489-1496 出版年: SEP 2009

7	标题:	Evolution of the yrast-band structure in $(76)\text{Sr}$ nuclei within microscopic theory
	第一作者:	石筑一 Shi, ZY (Shi Zhu-Yi) (Dept Phys)
	来源出版物:	ACTA PHYSICA SINICA 卷: 58 期: 7 页: 4542-4547 出版年: JUL 2009

8	标题:	A possible route of nuclear quantum phase transition induced by rotation
	第一作者:	石筑一 Shi, ZY (Shi Zhu-Yi) (Dept Phys)
	来源出版物:	ACTA PHYSICA SINICA 卷: 56 期: 3 页: 1329-1333 出版年: MAR 2007

9	标题:	Synthesis and insulin-sensitizing activity of (S)-2-ethoxy-3-phenylpropanoic acid derivatives
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	<b>第一作者:</b>	蔡小华 (化学与环境科学学院) Cai, XH (Cai, Xiao-hua) (Coll Chem & Environm Sci)
	<b>来源出版物:</b>	CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE 卷: 84 期: 9 页: 1106-1109 DOI: 10.1139/V06-145 出版年: SEP 2006

10	<b>标题:</b>	Synthesis of alpha, alpha '-bis(R-benzylidene)cycloalkanones catalyzed by potassium hydrogen sulfate under solvent-free conditions
	<b>第一作者:</b>	蔡小华 (化学与环境科学学院) Cai, XH (Cai, Xiao-hua) (Coll Chem & Environm Sci)
	<b>来源出版物:</b>	CHEMICAL PAPERS-CHEMICKE ZVESTI 卷: 60 期: 4 页: 318-320 DOI: 10.2478/s11696-006-0057-1 出版年: AUG 2006

11	<b>标题:</b>	Methyl 2-methoxycarbonyl-3-phenylpropionate derivatives: A new type of angiotensin converting enzyme inhibitors
	<b>第一作者:</b>	蔡小华 (化学与环境科学学院) Cai, XH (Cai, Xiao-hua) (Coll Chem & Environm Sci)
	<b>来源出版物:</b>	LETTERS IN ORGANIC CHEMISTRY 卷: 3 期: 6 页: 492-494 DOI: 10.2174/157017806777828484 出版年: JUN 2006

12	<b>标题:</b>	An effective method for extracting singular points in fingerprint images
	<b>第一作者:</b>	王 林 (教务处) Wang, L (Wang, Lin) (Image Lab, Dept Math & Comp Sci)
	<b>来源出版物:</b>	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS 卷: 60 期: 9 页: 671-676 DOI: 10.1016/j.aeue.2006.01.002 出版年: 2006

说明:

- 1、本结果仅收录独著或合著第一作者为贵州民族学院的论文。
- 2、请我校师生投稿时准确使用学校的英文名称，否则可能引起漏检。
- 3、SCI 著录作者英文名字时缩写，投稿时没有英文全拼的著者，收录内容不显示英文全拼姓名，故请投稿作者在英文名字缩写后加注英文全拼姓名，便于辨别作者姓名。
- 4、因校名拼写错误或其它原因引起漏检的作者可直接到图书馆来查询核实并开具图书馆出具的收录证明。

## 贵州民族学院 2006—2010 年被Ei-Compendex收录的论文

(检索结果按时间倒序排列)

### 期刊论文部分

<b>Accession number:</b>	20104813436432
<b>Title:</b>	Study on removing the lamp spectrum structure in differential optical absorption spectroscopy
<b>The First Author:</b>	曲晓英 (理学院) Qu, Xiao-Ying1 (College of Science)
<b>Source title:</b>	Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis
<b>Journal of period:</b>	2010 (11)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20104813430965
<b>Title:</b>	Recognizing moving objects based on gaussian-hermite moments and ART neural networks
<b>The First Author:</b>	吴有富 (科研处) Wu, Youfu
<b>Source title:</b>	Journal of Convergence Information Technology
<b>Journal of periodr:</b>	2010 (8)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20102713058350
<b>Title:</b>	Theoretical studies on energetics and mechanisms of the decomposition of CF <sub>3</sub> OH
<b>The First Author:</b>	龙 波 (计算机与信息工程学院) Long, Bo (School of Physics and Information Science)
<b>Source title:</b>	Chemical Physics Letters
<b>Journal of periodr:</b>	2010 (4-6)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20102312992045
<b>Title:</b>	Convergence for imaginary time step evolution in the fermi and dirac seas
<b>The First Author:</b>	李芳琼 (理学院) Li, FangQiong
<b>Source title:</b>	Science China: Physics, Mechanics and Astronomy
<b>Journal of periodr:</b>	2010 (2)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20102913085562
<b>Title:</b>	Flexible authorization framework based on logic programs
<b>The First Author:</b>	张明生 (计算机与信息工程学院) Zhang, Ming-Sheng
<b>Source title:</b>	Tongxin Xuebao/Journal on Communications
<b>Article number:</b>	2009 (10A) P23-27
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20094512429616
<b>Title:</b>	The entanglement of two atoms in a coherent field of time-varying frequency
<b>The First Author:</b>	蔡勋明 (计算机与信息工程学院) Cai, Xunming (College of Physics and Electronic Information)
<b>Source title:</b>	Guangxue Xuebao/Acta Optica Sinica
<b>Article number:</b>	2009 (9)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20093712305560
<b>Title:</b>	<b>Recognition of shape evolution of <math>^{180, 182}\text{Hf}</math> nuclei from order of nuclear structure</b>
<b>The First Author:</b>	童红 (理学院) Tong, Hong (Department of Physics)
<b>Source title:</b>	Yuanzineng Kexue Jishu
<b>Journal of periodr:</b>	2009 (8)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20084511686947
<b>Title:</b>	<b>Evolution from vibration to rotation in <math>^{108}\text{Cd}</math> nucleus within microscopic theory</b>
<b>The First Author:</b>	倪绍勇 Ni, Shao-Yong (Department of Physics)
<b>Source title:</b>	Yuanzineng Kexue Jishu
<b>Article number:</b>	2008 (9)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20083911603807
<b>Title:</b>	The influence of indoor multipath distortion on optical pulse
<b>The First Author:</b>	袁纵横 (计算机与信息工程学院) Yuan, Zongheng (Dept. of Physics and Electronic Information Science)
<b>Source title:</b>	Yi Qi Yi Biao Xue Bao
<b>Article number:</b>	2008 (SUPPL.)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20073910834122
<b>Title:</b>	<b>Effect of g-boson on spectra of high-spin states in <math>^{100}\text{Pd}</math></b>

	<b>nucleus</b>
<b>The First Author:</b>	赵行知 (计算机与信息工程学院) Zhao, Xing-Zhi (Department of Physics)
<b>Source title:</b>	Yuanzineng Kexue Jishu
<b>Article number:</b>	2007 (4)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20072910701942
<b>Title:</b>	Application of a new type of singular points in fingerprint classification
<b>The First Author:</b>	王 林 (教务处) Wang, Lin (Department of Mathematics and Computer Science)
<b>Source title:</b>	Pattern Recognition Letters
<b>Article number:</b>	2007 (13)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20071610558765
<b>Title:</b>	A possible route of nuclear quantum phase transition induced by rotation
<b>The First Author:</b>	石筑一 Shi, Zhu-Yi (Department of Physics)
<b>Source title:</b>	Wuli Xuebao
<b>Article number:</b>	2007 (3)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20075210995900
<b>Title:</b>	Creep analysis of functionally graded thermal barrier coating in working environment
<b>The First Author:</b>	王建平 (建筑工程学院) Wang, Jian-Ping (Department of Architecture Engineering)
<b>Source title:</b>	Wuhan Ligong Daxue Xuebao
<b>Article number:</b>	2007 (11)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20070610411740
<b>Title:</b>	Synthesis and insulin-sensitizing activity of (S)-2-ethoxy-3-phenylpropanoic acid derivatives
<b>The First Author:</b>	蔡小华 (化学与环境科学学院) Cai, Xiao-Hua (College of Chemistry and Environmental Science)
<b>Source title:</b>	Canadian Journal of Chemistry
<b>Article number:</b>	2006 (9)
<b>Document type:</b>	Journal article (JA)

<b>Accession number:</b>	20063710107253
<b>Title:</b>	An effective method for extracting singular points in fingerprint images
<b>The First Author:</b>	王 林 (教务处) Wang, Lin (Image Laboratory, Department of Mathematics and Computer

	Science)
<b>Source title:</b>	AEU - International Journal of Electronics and Communications
<b>Article number:</b>	2006 (9)
<b>Document type:</b>	Journal article (JA)

## 会议论文部分

<b>Accession number:</b>	20105213515033
<b>Title:</b>	Optimization of monitoring points on atmospheric pollution based on RS, GIS and in-situ data
<b>The First Author:</b>	贺华中 (化学与环境科学学院) He, Huazhong (School of Chemistry and Environmental Science) ; Fan, Hong
<b>Source title:</b>	Proceedings of SPIE - The International Society for Optical Engineering
<b>Article number:</b>	78401S
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913458623
<b>Title:</b>	Study on electronic business of model based on VR technology
<b>The First Author:</b>	赵敏 (计算机与信息工程学院) Min, Zhao (Economic and Management Institute)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5590776
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913459447
<b>Title:</b>	The credit-hype on internet trading and ITS legal control: Take the case of credit storm occurred in Taobao net
<b>The First Author:</b>	兰元富 (法学院) Lan, Yuanfu (Law School of Guizhou University for Nationalities)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5592448
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913458448
<b>Title:</b>	The establishment of Guizhou Tea Association internet shopping mall
<b>The First Author:</b>	陈浩 (计算机与信息工程学院) Chen, Hao (College of Economics and Management,)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5590444
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913459352
<b>Title:</b>	"Culture", "workmanship" and "power relation": A perspective of value chain governance - The empirical analysis of manufacturing firms of specialty products in Guizhou Minority nationalities
<b>The First Author:</b>	田丽敏 (商学院) Tian, Limin (School of Economics and Management)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5592095
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913459027
<b>Title:</b>	The study of SCM strategy and business model of fast fashion enterprises
<b>The First Author:</b>	黄景贤 (商学院) Huang, Jingxian (Economic Management Dept.,)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5591528
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913459344
<b>Title:</b>	The discussion about consolidated statements of assets impairment of internal contacts
<b>The First Author:</b>	鲁小莉 (商学院) Lu, Xiaoli (College of Economics and Management)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5592083
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913459735
<b>Title:</b>	An appraisal on business efficiency of insurance industry of China - An empirical study based on DEA non-parameter estimation
<b>The First Author:</b>	梁艳菊 (商学院) Liang, Yanju (College of Economics and Management)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5593085
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913459377
<b>Title:</b>	An analysis of herding behavior under cognitive bias structure - A stock

	market case study
<b>The First Author:</b>	诸文娟 (商学院) Zhu, Wenjuan (College of Economics and Management)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5592309
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913458865
<b>Title:</b>	Research on mandatory access control in LogicSQL database system
<b>The First Author:</b>	张明生 (计算机与信息工程学院) Zhang, Mingsheng (School of Economics and Management)
<b>Source title:</b>	Proceedings of the International Conference on E-Business and E-Government, ICEE 2010
<b>Article number:</b>	5591220
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104913452678
<b>Title:</b>	An audio watermarking based on Discrete Cosine Transform and Complex Cepstrum transform
<b>The First Author:</b>	杨承中 (计算机与信息工程学院) Yang, Chengzhong
<b>Source title:</b>	ICCAASM 2010 - 2010 International Conference on Computer Application and System Modeling, Proceedings
<b>Article number:</b>	5619087
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20110213573269
<b>Title:</b>	Studying the VCSEL to VCSEL injection locking for enhanced chromatic dispersion compensation
<b>The First Author:</b>	李林福 (计算机与信息工程学院) Li, Linfu (School of Computer and Information Engineering)
<b>Source title:</b>	Proceedings of SPIE - The International Society for Optical Engineering
<b>Article number:</b>	784614
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20110913705654
<b>Title:</b>	An econometric analysis on business efficiency factors of insurance industry of China
<b>The First Author:</b>	梁艳菊 (商学院) Liang, Yan-Ju
<b>Source title:</b>	2nd International Conference on Information Science and Engineering, ICISE2010 - Proceedings

<b>Article number:</b>	5691666
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20110913705653
<b>Title:</b>	Exploration on the real estate marketing strategies in small and medium-sized cities: Taking the arcadia in Langfang for an example
<b>The First Author:</b>	梁艳菊 (商学院) Liang, Yan-Ju
<b>Source title:</b>	2nd International Conference on Information Science and Engineering, ICISE2010 - Proceedings
<b>Article number:</b>	5691665
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20110213559165
<b>Title:</b>	The design and implementation of an WCS server for serving MODIS data
<b>The First Author:</b>	贺华中 (化学与环境科学学院) He, Huazhong (School of Chemistry and Environmental Science)
<b>Source title:</b>	International Geoscience and Remote Sensing Symposium (IGARSS)
<b>Article number:</b>	5650911
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20110913704922
<b>Title:</b>	Study on identity-based proxy blind signature scheme and application
<b>The First Author:</b>	杨思根 (预科教育学院) Yang, Sigen
<b>Source title:</b>	2nd International Conference on Information Science and Engineering, ICISE2010 - Proceedings
<b>Article number:</b>	5690411
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104813422779
<b>Title:</b>	Research on decision tree in component retrieval
<b>The First Author:</b>	邵艳华 (计算机与信息工程学院) Shao, Yanhua
<b>Source title:</b>	Proceedings - 2010 7th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2010
<b>Article number:</b>	5569310
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104813422539
<b>Title:</b>	A technique of moving object segmentation based on fuzzy alternation entropy and fuzzy similar function

<b>The First Author:</b>	吴有富 (科研处) Wu, Youfu
<b>Source title:</b>	Proceedings - 2010 7th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2010
<b>Article number:</b>	5569559
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104413338307
<b>Title:</b>	The construct and implementation of an uniform E-learning environment platform with Moodie on linux
<b>The First Author:</b>	黄成泉 (理学院) Huang, Chengquan (School of Science)
<b>Source title:</b>	Proceedings - 2010 3rd IEEE International Conference on Computer Science and Information Technology, ICCSIT 2010
<b>Article number:</b>	5565136
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20103613212526
<b>Title:</b>	A method of slant correction of vehicle license plate based on watershed algorithm
<b>The First Author:</b>	张儒良 (理学院) Zhang, Ruliang (Department of Mathematics and Computer Science, Guizhou Nationality College)
<b>Source title:</b>	ICIMA 2010 - 2010 2nd International Conference on Industrial Mechatronics and Automation
<b>Article number:</b>	5538360
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20103513202121
<b>Title:</b>	A study on eco-tourism and environmental protection
<b>The First Author:</b>	廖军华 (高等职业技术学院) Liao, Jun-Hua
<b>Source title:</b>	2010 International Conference on Mechanic Automation and Control Engineering, MACE2010
<b>Article number:</b>	5536515
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20103413169875
<b>Title:</b>	Recognizing characters based on Gaussian-Hermite moments and BP neural networks
<b>The First Author:</b>	吴有富 (科研处) Wu, Youfu
<b>Source title:</b>	2010 International Conference on Intelligent Computation Technology

	and Automation, ICICTA 2010
<b>Article number:</b>	5522960
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20103013104191
<b>Title:</b>	Analysis of yellow light generation based on photonic crystals and shock wave
<b>The First Author:</b>	袁纵横 (计算机与信息工程学院) Yuan, Zongheng (Dept. of Physics and Electronic Information Science)
<b>Source title:</b>	2010 Symposium on Photonics and Optoelectronic, SOPO 2010 - Proceedings
<b>Article number:</b>	5504291
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20102813073808
<b>Title:</b>	A roust algorithm of constructing panorama
<b>The First Author:</b>	夏 倩 (传媒学院) Xia, Qian (College of Media and Communications)
<b>Source title:</b>	2010 International Conference on Networking and Digital Society, ICNDS 2010
<b>Article number:</b>	5479327
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20102813073818
<b>Title:</b>	Research about component library management based on decision tree
<b>The First Author:</b>	邵艳华 (计算机与信息工程学院) Shao, Yanhua (College of Economics and Management)
<b>Source title:</b>	2010 International Conference on Networking and Digital Society, ICNDS 2010
<b>Article number:</b>	5479337
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20102813073723
<b>Title:</b>	Research on complexity about a class of complex system
<b>The First Author:</b>	邵艳华 (计算机与信息工程学院) Shao, Yanhua (College of Economics and Management)
<b>Source title:</b>	2010 International Conference on Networking and Digital Society, ICNDS 2010
<b>Article number:</b>	5479276
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20102312998029
<b>Title:</b>	Specifying flexible features in authorization using logic program

<b>The First Author:</b>	张明生（计算机与信息工程学院） Zhang, Mingsheng (School of Economics and Management)
<b>Source title:</b>	2nd International Workshop on Education Technology and Computer Science, ETCS 2010
<b>Article number:</b>	5458543
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20102312986225
<b>Title:</b>	License plate character recognition based on Gaussian-Hermite moments
<b>The First Author:</b>	马晓娟（理学院硕士研究生） Ma, Xiaojuan (Guizhou Key Lab. of Pattern Recognition and Intelligent Control)
<b>Source title:</b>	2nd International Workshop on Education Technology and Computer Science, ETCS 2010
<b>Article number:</b>	5460373
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20102312986162
<b>Title:</b>	An efficient method for skew correction of license plate
<b>The First Author:</b>	潘仁龙（理学院） Pan, Renlong (Guizhou Key Lab. of Pattern Recognition and Intelligent Control)
<b>Source title:</b>	2nd International Workshop on Education Technology and Computer Science, ETCS 2010
<b>Article number:</b>	5459970
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20100612692311
<b>Title:</b>	Investigation on the effect of test parameters on small punch creep tests by finite element method
<b>The First Author:</b>	王建平（建筑工程学院） Wang, JianPing (School of Architecture Engineering)
<b>Source title:</b>	Materials Science Forum
<b>Volume:</b>	631-632 (P393-398)
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20100312647147
<b>Title:</b>	Assessment on earthquake-induced structural damage by using continuous wavelet transforms
<b>The First Author:</b>	王建平（建筑工程学院） Jianping, Wang
<b>Source title:</b>	Proceedings of the 2nd International Conference on Modelling and Simulation, ICMS2009

<b>Volume:</b>	5 (P245-250)
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20101012758160
<b>Title:</b>	The construct and implementation of an E-learning environment with moodle on linux
<b>The First Author:</b>	黄成泉 (理学院) Huang, Chengquan (School of Math and Computer Science)
<b>Source title:</b>	SKG 2009 - 5th International Conference on Semantics, Knowledge, and Grid
<b>Article number:</b>	5370556
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20100712709351
<b>Title:</b>	Adaptive human body tracking and its abnormality department analysis
<b>The First Author:</b>	吴有富 (科研处) Wu, Youfu
<b>Source title:</b>	6th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2009
<b>Article number:</b>	5359026
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20104813426072
<b>Title:</b>	Synthesizing red-black trees and hash tables
<b>The First Author:</b>	杜昌钰 (计算机与信息工程学院) Du, Changyu (College of Mathematics and Computer Science)
<b>Source title:</b>	ICACTE 2009 - Proceedings of the 2nd International Conference on Advanced Computer Theory and Engineering
<b>Volume:</b>	2 (P1275-1282)
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20101212798850
<b>Title:</b>	A research of distributed intrusions detection model based on Aglets
<b>The First Author:</b>	张 科 (计算机网络中心) Zhang, Ke (Computer and Network Center)
<b>Source title:</b>	Proceedings - 2009 International Conference on Computational Intelligence and Software Engineering, CiSE 2009
<b>Article number:</b>	5362502
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20101212792247
<b>Title:</b>	Anomalous event detection based on self-organizing map for supermarket monitoring

<b>The First Author:</b>	<b>Zhou, Gang</b>
<b>Source title:</b>	Proceedings - 2009 International Conference on Information Engineering and Computer Science, ICIECS 2009
<b>Article number:</b>	5364586
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20101112765106
<b>Title:</b>	A method based on orientation field for skew correction of license plate
<b>The First Author:</b>	马晓娟 (理学院硕士研究生) Ma, Xiaojuan
<b>Source title:</b>	PACIA 2009 - 2009 2nd Asia-Pacific Conference on Computational Intelligence and Industrial Applications
<b>Article number:</b>	5406599
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20100712715447
<b>Title:</b>	An efficient method based on orientation field for detection of license plates
<b>The First Author:</b>	王 林 (教务处) Wang, Lin
<b>Source title:</b>	6th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2009
<b>Article number:</b>	5360600
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20094812515533
<b>Title:</b>	An intrusion detection algorithm based on decision tree technology
<b>The First Author:</b>	王 娟 (计算机网络中心) Wang, Juan (Computer and Network Center)
<b>Source title:</b>	Proceedings - 2009 Asia-Pacific Conference on Information Processing, APCIP 2009
<b>Article number:</b>	5197204
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20094712459305
<b>Title:</b>	Car number plate detection using multi-layer weak filter
<b>The First Author:</b>	张儒良 (理学院) Ruliang, Zhang (Department of Mathematics and Computer Science)
<b>Source title:</b>	2009 International Conference on Business Intelligence and Financial Engineering, BIFE 2009
<b>Article number:</b>	5208897
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20094712458813
<b>Title:</b>	Effects of urban sprawl on LUCC - A case study in Guiyang City
<b>The First Author:</b>	贺华中 (化学与环境科学学院) He, Huazhong (School of Chemistry and Environment Science)
<b>Source title:</b>	Proceedings - 2009 International Conference on Environmental Science and Information Application Technology, ESIAT 2009
<b>Article number:</b>	5199885
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20094712467053
<b>Title:</b>	Moving object segmentation for determining direction
<b>The First Author:</b>	吴有富 (科研处) Wu, Youfu
<b>Source title:</b>	Proceedings of the 2009 WRI Global Congress on Intelligent Systems, GCIS 2009
<b>Article number:</b>	5209252
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20093012206805
<b>Title:</b>	Flexible authorizations with logic program
<b>The First Author:</b>	张明生 (计算机与信息工程学院) Zhang, Mingsheng (School of Economics and Management)
<b>Source title:</b>	Proceedings - International Conference on Networks Security, Wireless Communications and Trusted Computing, NSWCTC 2009
<b>Article number:</b>	4908454
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20091311986015
<b>Title:</b>	The influence of atmospheric scattered channel on optical pulse
<b>The First Author:</b>	袁纵横 (计算机与信息工程学院) Yuan, Zongheng (Dept. of Physics and Electronic Information Science)
<b>Source title:</b>	Proceedings of SPIE - The International Society for Optical Engineering
<b>Article number:</b>	71562A
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20090111835676
<b>Title:</b>	Discrete gaussian-hermite moments and its applications
<b>The First Author:</b>	吴有富 (科研处) Wu, Youfu
<b>Source title:</b>	2008 International Conference on Wireless Communications, Networking and Mobile Computing, WiCOM 2008
<b>Article number:</b>	4681023
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20090111840803
<b>Title:</b>	A matching algorithm of netfilter connection tracking based on IP flow
<b>The First Author:</b>	张 科 (计算机网络中心) Zhang, Ke
<b>Source title:</b>	2nd International Conference on Anti-counterfeiting, Security and Identification, ASID 2008
<b>Article number:</b>	4688360
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20091211972030
<b>Title:</b>	An anomaly intrusion detection algorithm based on minimal diversity semi-supervised clustering
<b>The First Author:</b>	王 娟 (计算机网络中心) Wang, Juan (Computer Network Center)
<b>Source title:</b>	Proceedings - International Symposium on Computer Science and Computational Technology, ISCSCT 2008
<b>Article number:</b>	4731483
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20080311026610
<b>Title:</b>	Some aspects of Gaussian-Hermite moments in image analysis
<b>The First Author:</b>	王 林 (教务处) Wang, Lin
<b>Source title:</b>	Proceedings - Third International Conference on Natural Computation, ICNC 2007
<b>Article number:</b>	4304595
<b>Document type:</b>	Conference article (CA)

<b>Accession number:</b>	20080311024521
<b>Title:</b>	Dynamic system evolutionary modeling: The case of SARS in Beijing
<b>The First Author:</b>	杨承中 (计算机与信息工程学院) Yang, Chenzhong (School of Mathematics and Computer Science)
<b>Source title:</b>	Lecture Notes in Computer Science
<b>Volume:</b>	4683 LNCS
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### 1 期刊刊名: Journal of Cultural Heritage Management and Sustainable Devel.

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#### Volume 1 issue 1

**Title:** Editorial: bridging cultural heritage and sustainable development

**Author(s):** Ana Pereira Roders, (Eindhoven University of Technology, Eindhoven, The Netherlands), Ron van Oers, (UNESCO World Heritage Centre, Paris, France)

**Citation:** Ana Pereira Roders, Ron van Oers, (2011) "Editorial: bridging cultural heritage and sustainable development", Journal of Cultural Heritage Management and Sustainable Development, Vol. 1 Iss: 1, pp.5 - 14

**Keywords:** Culture, Heritage, Sustainable development

**Article type:** Research paper

**DOI:** [10.1108/20441261111129898](https://doi.org/10.1108/20441261111129898) (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Abstract:** Purpose – The paper aims to provide an introduction to the new journal, its scope and papers in the inaugural issue.

Design/methodology/approach – The paper introduces the new journal by exploring the normative foundations of cultural heritage management and how this can be used to construct a bridge to processes of sustainable development. In doing so, the rationale is explained for a journal with this specialism, like JCHMSD, including potential areas for research. All this then is linked to the theme and respective papers especially selected for the inaugural issue.

Findings – Increasingly the role of cultural heritage in processes of regeneration and sustainable development of cities and regions is being explored, while at the same time the international debate is intensifying as regards a re-orientation of the concept of sustainability and to re-emphasize its meaning in clear and unambiguous terms. In the build-up to the review of the Millennium Development Goals in 2015, the international community by way of UNESCO is promoting the inclusion of culture in the development paradigm.

Originality/value – In providing an overview of the state of debate in the fields of cultural heritage management and sustainable development, the paper is useful to the readers of the journal who are interested but have limited knowledge in these fields. It clarifies the focus to those who wish to submit articles to the journal, as well as highlights some potential areas for research.

**Title:** Why development needs culture

**Author(s):** [Francesco Bandarin](#), (ADG/CLT, UNESCO, Paris, France), [Jyoti Hosagrahar](#), (Sustainable Urbanism, Columbia University, New York, USA), [Frances Sailer Albernaz](#), (Culture Sector, UNESCO, Paris, France)

**Citation:** Francesco Bandarin, Jyoti Hosagrahar, Frances Sailer Albernaz, (2011) "Why development needs culture", Journal of Cultural Heritage Management and Sustainable Development, Vol. 1 Iss: 1, pp.15 - 25

**Keywords:** Culture, Heritage, International cooperation, Sustainable development

**Article type:** Viewpoint

**DOI:** [10.1108/20441261111129906](https://doi.org/10.1108/20441261111129906) (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Abstract:** Purpose – The purpose of this paper is to account for and to justify the UN's recent appeal to “all Member States, intergovernmental bodies, organizations of the United Nations system and relevant non-governmental organizations [...] to ensure a more visible and effective integration and mainstreaming of culture in development policies and strategies at all levels”.

Design/methodology/approach – The paper delves into the history of ideas leading up to the UN's belated recognition of culture's influence (a full ten years into the implementation of the Millennium Development Goals (MDGs)). It shows how the post-Second World War intuitions embraced in UNESCO's Constitution matured in the course of the nation-building and decolonization processes that have given way to today's context of advanced globalization.

Findings – Against that background, rising international awareness of the issues involved in the environment-development nexus conspired with growing concern for the safeguarding of world heritage and cultural diversity, finally culminating in the establishment of specific international standards that call for sustainable, integrated approaches to development.

Originality/value – Drawing from UNESCO's experience, the paper provides compelling evidence in support of the idea that culture, creative industries and cultural heritage contribute a great deal to development, in terms not only of quantitative economic growth (income, employment), but also of qualitative standards of equity and well-being. In light of such criteria, examples are offered and plans are laid out for concerted action in view of attaining the Millennium Development Goals in 2015 and of building on from there.

**Title:** The concept of outstanding universal value and its application:

"From the seven wonders of the ancient world to the 1,000 world heritage places today"

**Author(s):** Bernd von Droste, (UNESCO, Saint Cloud, France)

**Citation:** Bernd von Droste, (2011) "The concept of outstanding universal value and its application: "From the seven wonders of the ancient world to the 1,000 world heritage places today"", Journal of Cultural Heritage Management and Sustainable Development, Vol. 1 Iss: 1, pp.26 - 41

**Keywords:** Ancient history, Conservation, Heritage, International cooperation, Modern history

**Article type:** Research paper

**DOI:** 10.1108/20441261111129915 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Abstract:** Purpose – The purpose of this paper is to describe the emergence of the concept of outstanding universal value and its application from the ancient to modern times culminating with its codification under the auspices of UNESCO in 1972.

Design/methodology/approach – The nearly four decades-long application of UNESCO's World Heritage Convention offers a solid basis for a critical reflection regarding past achievements and future challenges. An entire review of this being beyond the scope of a single paper, it focuses on only a few salient issues which illustrate how this unique international legal instrument evolved in the past 39 years.

Findings – The paper singles out for each of the four stages at least one emblematic and most threatened World Heritage property, in order to illustrate major legal issues and how these were addressed by the parties.

Originality/value – As Secretary of the World Heritage Committee as well as Founder Director of the World Heritage Centre viewpoints the author presents that constitute a direct and continuous observation of World Heritage related matters over the last four decades.

**Title:** Voices of the pioneers: UNESCO's World Heritage Convention 1972-2000

**Author(s):** Christina Cameron, (School of Architecture, Faculté de l'aménagement, Université de Montréal, Montréal, Canada), Mechtild Rössler, (Policy and Statutory Implementation Unit, World Heritage Centre, UNESCO, Paris, France)

**Citation:** Christina Cameron, Mechtild Rössler, (2011) "Voices of the pioneers: UNESCO's World Heritage Convention 1972-2000", *Journal of Cultural Heritage Management and Sustainable Development*, Vol. 1 Iss: 1, pp.42 - 54

**Keywords:** Conservation, Conventions, Heritage, History

**Article type:** Research paper

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**Abstract:** Purpose – In partnership with UNESCO's Oral Archives Initiative, the authors have set out to capture the voices of those who have played a significant role in the creation and early development of the World Heritage Convention. The recorded interviews with the men and women who were active participants in this early period are designed to supplement the existing literature and voluminous documentation from the statutory and expert meetings. The uniqueness of this World Heritage research project is the important role that the voices of the pioneers will play in illuminating the successes and failures, the struggles and triumphs of the early years. This paper aims to share some of the findings.

Design/methodology/approach – The selection of the first group of interviewees has been made on the basis of the importance of the person's involvement in World Heritage matters, age, diversity of interests and geographical distribution. The interviews are structured with specific questions to identify key issues and cases that have affected the development of the World Heritage system. Topics are explored and teased out, adapting to the experience of each interviewee.

Findings – To date, the authors have interviewed 31 participants from all geographical regions of UNESCO. The interviews have created a rich and diverse tapestry of information, concepts and opinions on the early days of the World Heritage Convention. Participants in the project have been generous with their time and passionately candid in their views. In this paper, the authors offer a glimpse into the results of this research by presenting some samples from three interviews.

Originality/value – The interviews provide a unique and original viewpoint on the creation and early implementation of the World Heritage Convention. Preliminary results point to a deeper understanding of the forces that led to the creation of the

convention and the leadership role played by certain individuals in transforming these ideas for international cooperation into reality. At the completion of the project, this data set of interviews will be deposited in the UNESCO Archives for consultation by future generations of researchers.

- Title:** Preserving heritage places under a new paradigm
- Author(s):** Gustavo F. Araoz, (International Council on Monuments and Sites (ICOMOS), Bethesda, Maryland, USA)
- Citation:** Gustavo F. Araoz, (2011) "Preserving heritage places under a new paradigm", Journal of Cultural Heritage Management and Sustainable Development, Vol. 1 Iss: 1, pp.55 - 60
- Keywords:** Architecture, Conservation, Culture, Heritage, Sustainable development
- Article type:** Conceptual paper
- DOI:** 10.1108/20441261111129933 (Permanent URL)
- Publisher:** Emerald Group Publishing Limited
- Abstract:** Purpose – The purpose of this paper is to describe the consequences on conservation theory and practice resulting from contemporary global trends, including the increasing involvement in the field by the general public and the broader social, economic and political roles that cultural heritage is being called upon to play in contemporary society.

Design/methodology/approach – Based on observations and discussions in various international fora, it is argued that alongside traditional heritage places, a new paradigm for heritage sites has emerged whose values no longer rest entirely on material culture, but on intangible concepts for which traditional conservation practice often is neither effective nor applicable.

Findings – Besides evidencing the evolution of the cultural conservation field as a continuous attempt to reconcile the conservation of cultural heritage and development, this paper reflects upon the role of the World Heritage Convention. It also puts forward several innovative ideas and potential research topics to bridge cultural heritage management and sustainable development.

Originality/value – The paper suggests how conservation of heritage sites fitting the characteristics of this new paradigm will require a re-examination and expansion of the field's theoretical foundations, as well as the development of a new set of tools for their adequate protection.

**Title:** World heritage: observations on decisions related to cultural heritage

**Author(s):** Jukka Jokilehto, (ICOMOS, Rome, Italy)

**Citation:** Jukka Jokilehto, (2011) "World heritage: observations on decisions related to cultural heritage", Journal of Cultural Heritage Management and Sustainable Development, Vol. 1 Iss: 1, pp.61 - 74

**Keywords:** Culture, Decision making, Heritage, History of civilization

**Article type:** Research paper

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**Publisher:** Emerald Group Publishing Limited

**Abstract:** Purpose – The purpose of this paper is to examine the decision-making process related to the inscription of properties on the World Heritage List.

Design/methodology/approach – Consideration is given to the general framework provided by the 1972 World Heritage Convention, and elaborated by the World Heritage Committee in the Operational Guidelines for the Implementation of the Convention.

Findings – The paper examines the tasks and responsibilities of each partner to the World Heritage process, from the State Party to UNESCO and the Advisory Bodies. There is a panorama offered from the changes and trends that have impacted the decisions, including a number of cases as examples. Finally, the paper proposes some improvements to the system, taking into account the role of each stakeholder.

Originality/value – This is the first paper examining the theme concerned.

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刊物介绍: 2007 年创刊。本刊旨在理论、研究和实践等方面为文化、旅行和民俗搭建桥梁, 以“理论联系实际”为出发点, 探索人类生存发展环境中在文化、旅行和民俗方面的联系, 内容包括旅行者文化及习俗、地区文化与地区市场、消费者在旅行中的行趋势及民俗等。

### Volume 5 issue 1

**Title:** Destination brand components

**Author(s):** Melodena Stephens Balakrishnan, (Faculty of Business and Management at the University of Wollongong in Dubai, Dubai, United Arab Emirates), Ramzi Nekhili, (Faculty of Finance and Accounting at the University of Wollongong in Dubai, Dubai, United Arab Emirates), Clifford Lewis, (Faculty of Commerce, University of Wollongong, Australia)

**Citation:** Melodena Stephens Balakrishnan, Ramzi Nekhili, Clifford Lewis, (2011) "Destination brand components", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 1, pp.4 - 25

**Keywords:** Brand awareness, Brands, Symbolism

**Article type:** Research paper

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**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: November 2008 Revised: December 2008 Accepted: March 2009

**Abstract:** Purpose – This study matches destination brand components with motives and identifies those components that are most important for the consumer

during various stages of the decision process. This study also aims to classify various functional and symbolic brand components. The findings take the customers' point-of-view in identifying those descriptors that affect consumer choice preference and create destination loyalty.

Design/methodology/approach – The research is exploratory. Through a detailed literature review, destination brand components are identified, simplified and then classified as symbolic or functional. They are also classified by motive. The review is followed by a quantitative study that uses open-ended questions to find the relationship between destination brand components and the stage of decision making. This study also presents a conceptual model with taxonomy of brand components.

Findings – Functional brand components seem to play a major role in a consumer's description of place brands during the various decision making stages. This finding highlights the importance of stressing functional components in the destination's branding strategy.

Originality/value – This study is the first of its type and can serve as a platform for future research, practically helping destinations create more effective communication.

**Title:** Organizational networks, migration, and intercultural relations in Trieste, Italy

**Author(s):** Evgenia Bitsani, (Department of Management of Health and Welfare Unit based in the Department of Marketing and Advertising, at the Technological Educational Institute of Athens, Aigaleo, Greece), Androniki Kavoura, (Department of Marketing and Advertising, at the Technological Educational Institute of Athens, Aigaleo, Greece)

**Citation:** Evgenia Bitsani, Androniki Kavoura, (2011) "Organizational networks, migration, and intercultural

relations in Trieste, Italy", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 1, pp.26 - 37

**Keywords:** Cultural synergy, Dispersions, Entrepreneurialism, Immigration, Organizational structures

**Article type:** Research paper

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**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: November 2009 Revised: December 2009 Accepted: February 2010

**Abstract:** Purpose – The present paper is part of a study associated with the migration phenomenon and the formation of intercultural social and economic relations which emerged in Italy in the nineteenth century and its practical and social implications in the twenty-first century. The city of Trieste, Italy consists of a case study which examines the formation of organizational networks in the Mediterranean and in Europe which consist of the basic body of the so called Greek commercial dispersion.

Design/methodology/approach – This study presents data collected from the analysis of archival documents. It is part of the scientific field of social anthropology and is a case study where participative observation was employed. Interviews with people offered the researchers ground to explain the purposes and reasons for the implementation of decisions related to the creation of the organizational networks.

Findings – The article discusses the relation between the national group with its unique cultural identity and entrepreneurship, emphasizing the cultural characteristics of such relation. The consequences from the existence of these networks in all sectors of the life of the community of these areas are investigated. To a third level of discussion, the mapping and analysis of the cultural interactions which emerged as a result of these networks shaping an integrated cultural identity is examined.

Originality/value – The project succeeds in making a theoretical and practical contribution to the way the development of organizational networks presented for Trieste, Italy can consist of a typical recourse for other areas of the Mediterranean where cultures and identities intermingle nowadays and migration and policy directions need to be implemented.

**Title:** Globally marketing authenticated places

**Author(s):** Linden Dalecki, (Department of Management and Marketing, Kelce College of Business, Pittsburg State University, Pittsburg, Kansas, USA)

**Citation:** Linden Dalecki, (2011) "Globally marketing authenticated places", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 1, pp.38 - 46

**Keywords:** Marketing strategy, Narratives, Tourism

**Article type:** Conceptual paper

**DOI:** 10.1108/17506181111111744 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: August 2009 Revised: October 2009 Accepted: January 2010

**Abstract:** Purpose – The paper explores authentic places, personalities and products from a range of academic and professional frames.

Design/methodology/approach – Authentic pop culture texts and tourist sites – and their associated web sites – are analyzed via three perspectives: Gilmore and Pine's notion of authentic placemaking, Peterson's notion of socially constructed and determined authenticity, and Holt's notion of the authentic slacker-rebel archetype.

Findings – Perceived authenticity plays an important role in driving the consumption of certain types of pop culture and associated touristic sites.

Originality/value – The article explores three major perspectives related to authenticity which have not been discussed together previously and is of value to marketing academics as well as stewards of authentic sites.

**Title:** Joining the in-crowd: symbols for backpacker identity

**Author(s):** Russell R. Currie, (Faculty of Management at the University of British Columbia Okanagan, Kelowna, Canada), Tamara Campbell-Trant, (Milton, Canada), Sheilagh Seaton, (Faculty of Business, Okanagan College, Kelowna, Canada)

**Citation:** Russell R. Currie, Tamara Campbell-Trant, Sheilagh Seaton, (2011) "Joining the in-crowd: symbols for backpacker identity", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 1, pp.47 - 56

**Keywords:** Communication, Guides and handbooks

**Article type:** Research paper

**DOI:** 10.1108/17506181111111753 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: May 2005 Revised: November 2005 Accepted: March 2007

**Abstract:** Purpose – The authors of this paper examine the role of the guidebook as a symbol and the implications of symbols in relation to tourist behaviors. The objective of the researchers is to determine if guidebooks act as a symbol for group identity within the backpacker community.

Design/methodology/approach – The researchers conducted ten in-depth interviews in a Halifax youth hostel in Nova Scotia to collect data for analysis. The data obtained in this study is analyzed through a thematic analysis that involved grouping background information with the data that related to each criterion for a symbol.

Findings – From the analysis of information obtained from the eight respondents, guidebooks accomplish three functions equivalent to the three criteria of symbols: facilitating communication, providing the basis for attitude development and acceptable modes of behavior, and facilitating collaboration and conformity of the group.

Research limitations/implications – There are several limitations to this study that includes sample size, location, and time restrictions. Consequently, generalization of results beyond the specifics of this sample is limited.

Originality/value – The subculture of backpackers is able to survive because the social interaction within the backpacker community preserves and develops the meaning of symbols. An examination into the symbolic meanings held by backpackers provides implications in predicting backpacker behaviors and destination marketing.

**Title:** Service quality of Macao's world heritage site

**Author(s):** Penny Yim King Wan, (Faculty of Business Administration, University of Macau, Taipa, Macao, China), Elizabeth I. Man Cheng, (Institute for Tourism Studies, Colina de Mong-Ha, Macao, China)

**Citation:** Penny Yim King Wan, Elizabeth I. Man Cheng, (2011) "Service quality of Macao's world heritage site", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 1, pp.57 - 68

**Keywords:** China, Customer satisfaction, Heritage, Service levels

**Article type:** Research paper

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**Acknowledgements:** The authors thank the Institute for Tourism Studies for sponsoring the funding for the data collection of this research. Received: November 2008 Revised: March

2009Accepted: March 2009

**Abstract:** Purpose – The purpose of this paper is to investigate the service quality of Macao's World Heritage (WH) site as perceived by visitors involving both tourists and local residents.

Design/methodology/approach – The empirical data was collected via structured questionnaires to obtain views of 1,056 visitors on the 27 world heritage attractions in Macao.

Findings – The overall visitor satisfaction level on the service quality of Macao's WH was high but dimensions on "empathy" and "consumables" needed improvements. Significant differences were also found between the tourists and local residents. Tourists rated the level of crowding as more tolerable than local residents but less tolerable in terms of staff availability at attractions. Residents had a relatively low satisfaction score for most items except the availability of staff than the tourists.

Practical implications – To attract more repeated visitors, the results highlighted the importance of satisfying both groups of visitors by taking special care of the needy and children and offering more on-site information. Managing well with the city's tourism carrying capacity and providing more staff service were also suggested to satisfy the local and tourist markets respectively.

Originality/value – Studies on service quality in heritage especially within the Macao context were scarce. This pioneering study shed light on the service quality of Macao's WH site and provided hints on the differences in the perceived service quality between the tourists and local residents. More specific government efforts can be exerted to satisfy the two niche markets in a more effective manner.

**Title:** Rubbish emergency impact on in-bound tourism demand and on the number of visitors to museums

**Author(s):** Alfonso Siano, (Corporate Communication, E-Marketing, at the University of Salerno, Fisciano, Salerno, Italy), Mario Siglioccolo, (Marketing and Communication, at the University of Salerno, Fisciano, Salerno, Italy)

**Citation:** Alfonso Siano, Mario Siglioccolo, (2011) "Rubbish emergency impact on in-bound tourism demand and on the number of visitors to museums", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 1, pp.69 - 79

**Keywords:** Museums, Refuse, Tourism

**Article type:** Research paper

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**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: February 2009 Revised: May 2009 Accepted: December 2009

**Abstract:** Purpose – This study aims to assess whether or not the weight of the impact of the recent rubbish emergency in the Province of Naples (Italy) causes a temporary impact inbound tourism demand and the number of visitors to museums situated in the Province.

Design/methodology/approach – The research is based on secondary data referring to monthly tourist arrivals and visitors to museums to the Province of Naples, during the period in which crisis reached its climax. The variation of tourist arrivals and visitors to museums between this period and the same period of the previous four years represents the means for detecting an eventual decrease in inbound tourism demand and visitors to museums.

Findings – Research findings show the variation in the number of tourists and in the number of visitors to museums in the Province from 2004 to 2008. Despite the pessimistic estimates reported by media, the situation in the Province of Naples, during the period in which the refuse emergency reached a climax, is quite surprising.

Research limitations/implications – Historical data do

not refer to the whole period during which the crisis took place. The study cannot consider the long-term impact of the refuse emergency on inbound tourism demand and on museum visitors, seeing as the crisis has only recently been resolved.

Practical implications – The research detects strong and weak points in the tourist offer in the Province of Naples; the elaboration of corrective practices and tools for reinforcing the image of the Province of Naples represent practical implications useful to local government, tourism operators, and museum managers.

Originality/value – This study is an initial attempt to analyse the impact of the refuse emergency on inbound tourism demand and on visitors to museums.

**Title:** Make it memorable: customer experiences in winter amusement parks

**Author(s):** Terje Slåtten, (Lillehammer University College, Lillehammer, Norway), Christian Krogh, (Lillehammer University College, Lillehammer, Norway), Steven Connolley, (Lillehammer University College, Lillehammer, Norway)

**Citation:** Terje Slåtten, Christian Krogh, Steven Connolley, (2011) "Make it memorable: customer experiences in winter amusement parks", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 1, pp.80 - 91

**Keywords:** Customers, Experience, Norway, Theme parks

**Article type:** Research paper

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**Abstract:** Purpose – This empirical study aims to investigate the potential of customer experiences in the tourism

industry to influence emotions and thus create positive mental imprints.

Design/methodology/approach – This investigation tests a conceptual model for what leaves positive mental imprints and analyzes the results of the survey to test the hypotheses. Further, the rather uncommon setting, a winter amusement park in Norway, helps to increase the external validity.

Findings – One interesting discovery with practical implications for management is that both ambience factors – light, sound, and smells – and interaction among customers have significance for customers' positive emotions.

Research limitations/implications – There is a need for further research to clarify the distinction between design and ambience factors.

Practical implications – Both ambience and interaction between customers are very important for successfully providing positive customer experiences.

Originality/value – Responding to the need to focus on the different aspects relating to customer experiences and emotions within the framework of tourism, this study tests an original model in an uncommon setting, thus contributing to the external validity of these claims.

**Title:** Chinese philosophy and tourism development: a case study of Hangzhou

**Author(s):** Yi Wang, (Research Fellow in Tourism at Sheffield Business School, Sheffield Hallam University, Sheffield, UK)

**Citation:** Yi Wang, (2011) "Chinese philosophy and tourism development: a case study of Hangzhou", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 1, pp.92 - 100

**Keywords:** China, Oriental philosophy, Social actions, Tourism

development

**Article type:** Research paper

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**Publisher:** Emerald Group Publishing Limited

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**Abstract:** Purpose – This study aims to evaluate the correlation of Chinese philosophy to the process of tourism development. The current Chinese philosophy involves three influential ideologies: Chinese Confucianism, Chinese communism and Western capitalism, which significantly affect people's perspectives, behaviors and importantly, the whole tourism system.

Design/methodology/approach – This study conducted 47 semi-structured in-depth interviews through field visits, in order to understand people's perspectives and social interactions in the tourism development process. The case study is based on the Hubin Street Project of Hangzhou, China.

Findings – The study finds that all three ideologies in Chinese philosophy have strong influences in the decision making processes of tourism development. They result in a relatively centralized decision-making power centre, and increasing decentralized needs from the society.

Research limitations/implications – This research helps to understand the reasons for social actions in China's tourism development from a different perspective, the philosophy. The study gives implications for other researches to further explore the relationship between ideologies and behavior.

Originality/value – The influences of Chinese philosophy to social actions could be even more complicated. More case studies could reflect different situations and more in-depth views.

## Volume 5 issue 2

**Title:** New perspectives on vacation decision making

**Author(s):** Kenneth F. Hyde, (Based at the Business School and New Zealand Tourism Research Institute, AUT University, Auckland, New Zealand), Alain Decrop, (Based at the Louvain School of Management, Facultés Universitaires Notre-Dame de la Paix, Namur, Belgium)

**Citation:** Kenneth F. Hyde, Alain Decrop, (2011) "New perspectives on vacation decision making", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 2, pp.103 - 111

**Keywords:** Decision making, Journey planning, Leave, Tourism, Travel

**Article type:** General review

**DOI:** [10.1108/175061811111139537](https://doi.org/10.1108/175061811111139537) (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: March 2009. Revised: May 2009. Accepted: November 2009.

**Abstract:** Purpose – This paper introduces the seven empirical studies on vacation decision making in this special issue of IJCTHR. The paper compares the findings of these seven studies to traditional models of vacation decision making, and highlights a number of new perspectives for research into vacation decision making.

Findings – Five themes appear in these contemporary studies of vacation decision making: the multifaceted nature of the vacation; joint decision making by members of the household; impact of the type of vacation trip on the decision making process; the role of the internet in vacation decision making; and the role of socio-psychological variables in vacation decision making.

Research limitations/implications – The paper provides recommendations for future research in vacation decision making, in light of contemporary changes in

the travel and tourism industry.

Originality/value – The value of this paper lies in its review of traditional approaches to researching vacation decision making, and advice provided for future research on the topic.

**Title:** Domestic vs outbound booking and channel choice behavior: evidence from New Zealand

**Author(s):** Douglas G. Pearce, (Based at the Victoria Management School, Victoria University of Wellington, Wellington, New Zealand), Christian Schott, (Based at the Victoria Management School, Victoria University of Wellington, Wellington, New Zealand)

**Citation:** Douglas G. Pearce, Christian Schott, (2011) "Domestic vs outbound booking and channel choice behavior: evidence from New Zealand", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 2, pp.112 - 127

**Keywords:** Distribution channels and markets, New Zealand, Purchasing, Tourism, Travel

**Article type:** Research paper

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**Acknowledgements:** Submitted: February 2008. Revised: July 2008. Accepted: November 2008. The authors gratefully acknowledge funding from the Foundation for Research, Science and Technology, as part of the "Innovation in New Zealand tourism through improved distribution channels" project.

**Abstract:** Purpose – This paper seeks to analyze the extent to which New Zealand domestic and outbound travelers' book components of their trip in advance or at their destination and to explore the factors that influence this. Furthermore, the paper compares the distribution channels used by domestic and outbound travelers to purchase different travel products and to examine why

these channels have been selected.

Design/methodology/approach – The study involves the collection and analysis of data on the profiles, trip characteristics and distribution behavior of domestic and outbound travelers based on a nationwide telephone survey of 1,000 respondents.

Findings – Little variation was found in the profile characteristics of domestic and outbound travelers but significant differences occurred in terms of the trip characteristics, the extent of booking in advance and at the destination, reasons why advance bookings were not made, how bookings were made and the channels used all exhibited significant differences according to domestic or outbound travel. This pattern was less consistent with regards to the factors influencing how the bookings were made and the factors affecting channel choice.

Research and practical implications – The findings illustrate the complexity of travel decision-making issues, underline the need to take account of differences between domestic and outbound travel and across trip components, and to examine the factors that underlie distribution related behavior.

Originality/value – The value and originality of this paper lie in the systematic comparison of the booking and channel choice behavior of domestic and outbound travelers, the search for factors influencing this behavior and a sectoral approach that differentiates transport to and at the destination.

**Title:** A new perspective on tourist information search: discussion in couples as the context

**Author(s):** Fred Bronner, (Based at the University of Amsterdam, Amsterdam, The Netherlands), Robert de Hoog, (Based at the University of Twente, Enschede, The Netherlands)

**Citation:** Fred Bronner, Robert de Hoog, (2011) "A new

perspective on tourist information search: discussion in couples as the context", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 2, pp.128 - 143

**Keywords:** Decision making, Information media, Information searches, The Netherlands, Tourism

**Article type:** Research paper

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**Abstract:** Purpose – Information-search for vacation decision-making can occur in two different contexts: an individual one, in which one forms one's preferences, and a social one in response to discussions with partners and family members. This paper focuses on the latter.

Design/methodology/approach – By means of a longitudinal study the research investigates the main topics of discussion in couples, and the information sources couples use in their discussion. Furthermore, the research investigates whether the information sources used depend on the nature of the sub-decision – search-determined or experience-determined – the couples discuss.

Findings – The research finds that there is considerable discussion between partners and that the amount of discussion varies in relation to the type of sub-decision. During these discussions, the use of different information sources is widespread. More generally, the study confirms the overall importance of the social context: information sources used in the social context are different from sources used in the individual context. The research does not confirm the expected relationship between the nature of a sub-decision and

the type of information source used. As the decision process proceeds over time, the role of objective information sources increases in discussions.

Research limitation/implications – Compared with the classical individual approach to researching tourist information search, the social context of information-searching needs other market research data, to provide insight into the topics of discussion. Tourism marketing messages in a social decision context should be directed to significant others, as these messages are likely to be used as important information sources during the joint vacation decision process in couples. In this respect, the use of electronic word-of-mouth offers new opportunities for vacation marketing.

Originality/value – A new perspective on information search: the relevance of social contexts.

**Title:** Marital power bases as predictors of spousal influence strategies in a vacation purchase decision

**Author(s):** Ya'arit Bokek-Cohen, (Based at the R&D Center for Samaria and Jordan Rift, Department of Economics and Business Administration, Ariel University Center of Samaria, Ariel, Israel)

**Citation:** Ya'arit Bokek-Cohen, (2011) "Marital power bases as predictors of spousal influence strategies in a vacation purchase decision", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 2, pp.144 - 157

**Keywords:** Consumer behavior, Decision making, Family life, Gender, Influence, Leave

**Article type:** Research paper

**DOI:** [10.1108/17506181111139564](https://doi.org/10.1108/17506181111139564) (Permanent URL)

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**Abstract:** Purpose – This paper aims to uncover the relationships between marital power and influence strategies used during couples' vacation decision processes. Marital power includes two dimensions: the first dimension is objective and composed of actual economic resources; the second is subjective and composed of feelings such as spousal love or self-esteem.

Design/methodology/approach – 192 couples completed a questionnaire that included statements describing different influence strategies utilized during the vacation purchase-decision process; respondents indicated the frequency with which they employed each strategy.

Findings – Subjective marital power is associated with the use of spousal influence strategies. Objective marital power does not predict the use of these strategies.

Research limitations/implications – These findings highlight a hitherto understudied aspect of marital power – subjective power.

Practical implications – Consumer researchers and vacation marketers should take into account the subjective marital power balance and its impact on influence strategies during couples' vacation decision processes.

Originality/value – This study shows that during a vacation decision process, the marital power balance between partners impacts on the choice of spousal influence strategies. Secondly, economic power is not the dominant factor that affects the choice of influence strategy; rather, interpersonal power is influential in the use of spousal influence strategies during the vacation decision process.

**Title:** Towards a decision making model for city break travel

**Author(s):** Gerard Dunne, (Based at the Dublin Institute of Technology, Dublin, Ireland), Sheila Flanagan, (Based at the Dublin Institute of Technology, Dublin, Ireland), Joan Buckley, (Based at University College Cork, Cork, Ireland)

**Citation:** Gerard Dunne, Sheila Flanagan, Joan Buckley, (2011) "Towards a decision making model for city break travel", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 2, pp.158 - 172

**Keywords:** Cities, Decision making, Involvement, Ireland

**Article type:** Research paper

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**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: April 2008. Revised: May 2009. Accepted: July 2009.

**Abstract:** Purpose – The purpose of this paper is to examine the city break travel decision, and in particular, to develop a decision making model that reflects the characteristics of this type of trip taking.

Design/methodology/approach – The research follows a sequential mixed methods approach consisting of two phases. Phase One involves a quantitative survey of 1,000 visitors to Dublin. The research distinguishes and compares city break and non-city break visitor cohorts. Phase Two entails a qualitative analysis (involving 40 in-depth interviews) that specifically examines the decision making behavior of city break visitors.

Findings – The research shows city break trips to be relatively inexpensive, uncomplicated, and discretionary in nature. The city break travel decision emerges from quite distinct motives where situational factors proved particularly influential. The decision process mostly entailed low involvement / limited

problem solving behavior with strong internet usage evident throughout.

Originality/value – The findings show that many traditional decision making models have problems incorporating contemporary travel decisions such as city breaks. This is because such models generally fail to recognize a non-systematic approach to decision making, where travelers do not necessarily undertake the process in distinctive stages, and where emotional elements are as relevant as functional ones. This study supports the need for a range of models that are reflective of the differences that exist in travel decision making – models that can distinguish the specific nuances and characteristics of particular decision situations.

**Title:** The souvenir purchase decision: effects of online availability

**Author(s):** Lisa J. Abendroth, (Based in the Department of Marketing of University of St Thomas, St Paul, Minnesota, USA)

**Citation:** Lisa J. Abendroth, (2011) "The souvenir purchase decision: effects of online availability", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 2, pp.173 - 183

**Keywords:** Decision making, Retail, Time, Tourism, Web sites

**Article type:** Research paper

**DOI:** 10.1108/17506181111139582 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Submitted: March 2008. Revised: July 2008. Accepted: November 2008. The author thanks the editors, reviewers, Kristin Diehl, and James Heyman for their insightful comments and suggestions as well as David Alexander for his assistance with data collection.

**Abstract:** Purpose – Prior to e-commerce, tourists could only purchase souvenirs at a destination. The goal of this research is to develop and test a theory to explain how

adding a retail web site affects tourists' decision-making for souvenir purchases.

Design/methodology/approach – The researcher conducts two experiments using scenarios to simulate a souvenir purchase. The researcher manipulates item type and web site availability, and then measures purchase intent, attitudes toward the souvenir, and regret.

Findings – Purchase limitation increases initial purchase intent by increasing the souvenir's reminder value, regardless of item type. Non-purchase regrets are greater than purchase regrets, which in turn increases purchase intent at a later time.

Research limitations – The stimuli are necklaces, and although the findings do not show gender effects, the stimuli could limit the generalizability to other souvenir types. The research tests hypotheses using scenarios and less-experienced travelers. Future research should examine different types of souvenirs in a naturalistic setting.

Practical implications – Retailers should not mention web sites until after a tourist decides not to buy in-store and should do so subtly.

Originality/value – This research contributes to souvenir research by identifying a purchase limitation, available in-store only, as a new determinant of a souvenir's reminder value. The research also contributes to scarcity research by identifying reminder value as a new and qualitatively different type of valuation affected by scarcity. Lastly, the research extends the regret literature by reversing inaction inertia at a later purchase opportunity while maintaining a regret minimization goal.

**Title:** Expertise, experience and self-confidence in consumers' travel information search

**Author(s):** Karin Teichmann, (Based at the Institute for Tourism

and Leisure Studies, Vienna University of Economics and Business Administration, Vienna, Austria)

**Citation:** Karin Teichmann, (2011) "Expertise, experience and self-confidence in consumers' travel information search", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 2, pp.184 - 194

**Keywords:** Confidence, Consumer, Expertise, Information searches, Journey planning

**Article type:** Research paper

**DOI:** [10.1108/17506181111139591](https://doi.org/10.1108/17506181111139591) (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: March 2008. Revised: July 2008. Accepted: November 2008.

**Abstract:** Purpose – The aim of this paper is to investigate the relationship between consumer self-confidence, product expertise, and travel experience in the context of travel information search during vacation planning.

Design/methodology/approach – The research design is based on a panel study to monitor trip planning processes of Austrian travelers. A structural model is used to assess to what degree consumer self-confidence, product expertise, and travel experience affect travel information search and to examine the influence of consumer self-confidence on product expertise.

Findings – Findings from the study show that consumer self-confidence significantly affects product expertise. Travel experience, on the other hand, positively influences product expertise that again is positively related to travel information search. No significant relationship is established between travel experience and travel information search.

Research limitations/implications – While most of the previous studies investigated information search using cross-sectional data, this study addresses the need for more accurate research on information search adopting a panel design. One major limitation of the

study is the small sample size. Results from a larger sample might be different in regards to the magnitude of the relationships.

Originality/value – This study contributes to the overall understanding of how knowledge and ability-related factors impact travel information sourcing. The tourism literature reveals no other study that has simultaneously quantified consumer self-confidence and product expertise during trip planning.

**Title:** Tourists' dual-processing accounts of reasoning, judgment, and actions

**Author(s):** Drew Martin, (Based at the University of Hawaii at Hilo, Hawaii, USA), Arch G. Woodside, (Based at Boston College, Chestnut Hill, Massachusetts, USA)

**Citation:** Drew Martin, Arch G. Woodside, (2011) "Tourists' dual-processing accounts of reasoning, judgment, and actions", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 2, pp.195 - 212

**Keywords:** Hawaii, Thinking, Tourism management

**Article type:** Research paper

**DOI:** 10.1108/17506181111139609 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: April 2009. Revised: May 2009. Accepted: June 2009.

**Abstract:** Purpose – The purpose of this paper is to describe theory building and testing of dual processing of tourist reasoning, judgment, and actions.

Design/methodology/approach – The paper applies micro-tipping point theory and qualitative comparative analysis, using case study data.

Findings – Maps of the reasoning, judgments, and actions of five parties of tourist buying major services support dual-processing theory of deciding on

destination choices.

Research limitations/implications – This report does not include the attempt to generalize the findings to large survey samples of informants.

Practical implications – Executives need to go beyond recognizing that what tourists report consciously may differ substantially from what they think unconsciously and to plan on collecting data on both dual processing modes of thinking.

Originality/value – This paper breaks new ground in applying dual-processing theory in tourist behavior of buying major tourist services.

### Volume 5 issue 3

**Title:** Affirmation, assimilation, and anarchy: critical undercurrents in destination branding

**Author(s):** Leonardo A.N. Dioko, (Professor at the Institute for Tourism Studies, Macau, China), Rich Harrill, (Director at the Alfred P. Sloan Foundation Travel & Tourism Industry Center and the International Tourism Research Institute, University of South Carolina, Columbia, South Carolina, USA)

**Citation:** Leonardo A.N. Dioko, Rich Harrill, (2011) "Affirmation, assimilation, and anarchy: critical undercurrents in destination branding", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 3, pp.215 - 226

**Keywords:** Destination branding, Epistemology, Knowledge management, Marketing

**Article type:** General review

**DOI:** 10.1108/17506181111156916 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: May 2010 Revised: July 2010 Accepted: October 2010

**Abstract:** Purpose – This introduction seeks to provide a broad review of scholarly developments in the nascent field of destination branding spanning almost 12 years in order to locate the relevance and import of the following nine papers compiled for this special issue on destination branding and marketing.

Design/methodology/approach – A general review of literature is undertaken guided by an epistemological approach to knowledge thus far generated by the destination branding field, consistent with the recommendation of Tribe, and in lieu of the common reductionist approach to identifying themes. The background generated by the review is then used to introduce and assess the significance of the articles contained in this special issue.

Findings – Three undercurrents of critical issues implicated with the massive body of knowledge generated by the first decade of destination branding research are described and posited relations between them are tentatively advanced. The undercurrents pertain primarily to matters of identity affirmation, inter-organizational assimilation and an unfolding anarchic environment for destination branding research and practice. The papers in this special issue exhibit profound connections with the different undercurrents.

Originality/value – Rather than summarize and classify achievements in destination branding research over the last decade or so, this editorial argues that current and future research contends with larger issues surrounding the field's core concern of destination branding and marketing.

**Title:** Tourism branding and nation building in China

**Author(s):** Noel Scott, (Senior Lecturer based at the School of Tourism, The University of Queensland, Australia), Ann Suwaree Ashton, (Senior Tutor based at the School of Tourism, The University of Queensland, Australia), Peiyi Ding, (Senior Research Officer based at the School of Tourism, The University of Queensland, Australia), Honggang Xu, (Professor and Vice Dean at Sun Yat-Sen University, Guangzhou, China)

**Citation:** Noel Scott, Ann Suwaree Ashton, Peiyi Ding, Honggang Xu, (2011) "Tourism branding and nation building in China", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 3, pp.227 - 234

**Keywords:** Brand identity, Brand management, China, Destination management, Image

**Article type:** General review

**DOI:** [10.1108/17506181111156925](https://doi.org/10.1108/17506181111156925) (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: April 2009 Revised: February 2010  
Accepted: April 2010

**Abstract:** Purpose – The aim of this paper is to develop a conceptual framework for nation branding based on the concepts of co-branding and perceived fit, and to apply these concepts to discuss the type of nation brand that China may develop and how this brand relates to individual destinations through brand architecture. Design/methodology/approach – Branding is a deliberate process applied to the shaping of a nation's image and reputation on the global stage, in the heightened global competition for ascendancy. The paper reviews selected literature of national identity and nation branding to identify models, techniques and prior research that informs nation branding. This paper examines national branding and nation building from the perspective of international tourism promotion and development.

Findings – The formation of the Chinese national identity is the result of a complicated historical progression, as well as current national aspirations, and the process of globalization and the introduction of the market system. Branding the nation in the globalised world is a strategy or tool in the competition for attention and wealth, as well as a tool of self-affirmation. Nation brands are more complex to develop and less tangible than corporate brands. Originality/value – The paper identifies that value of examining nation branding as a form of co-branding, with the related concepts of perceived fit, brand

architecture as well as existing techniques.

**Title:** China's Olympic destination: tourist evaluations of China and the Games

**Author(s):** John Nadeau, (Associate Professor at the Nipissing University, North Bay, Canada), Norm O'Reilly, (Associate Professor at the University of Ottawa, Ottawa, Canada), Louise Heslop, (Professor at Carleton University, Ottawa, Canada)

**Citation:** John Nadeau, Norm O'Reilly, Louise Heslop, (2011) "China's Olympic destination: tourist evaluations of China and the Games", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 3, pp.235 - 246

**Keywords:** China, Country image, Destination image, Mega-event image, Olympic Games

**Article type:** Research paper

**DOI:** [10.1108/175061811111156925](https://doi.org/10.1108/175061811111156925) (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

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**Abstract:** Purpose – This paper aims to report on the views that tourists in China have about the country, its people, the country as a destination and the 2008 Olympic Games that were held there. Design/methodology/approach – The study utilizes a survey in which responses were gathered from 288 tourists in Beijing, China during the 2008 Olympic Summer Games. The study presents results for China's three images (country, destination, and mega-event) using an attitudinal framework and

explores the patterns of relationships using linear regression. Findings – Results of the study show that tourists perceive China positively in terms of the country and people competencies and the character of the people. China is less positively viewed in terms of country character. As a destination, China is seen positively for its built environment but less positively for its natural environment. Positive experiential and logistical beliefs characterize the Olympic Games, while beliefs about security are less positive. The data support the assertion that the three images are important and related. In addition, the evaluation of China as a destination involves the relationship of the country image evaluation to the evaluation of the Olympic Games. Originality/value – This paper addresses a gap that exists in image-based research on mega-events. In particular, this study explores mega-event image in the context of the host country and destination images.

**Title:** From destination image building to identity-based branding

**Author(s):** Saila Saraniemi, (Lecturer in the Department of Marketing at the University of Oulu, Oulu, Finland)

**Citation:** Saila Saraniemi, (2011) "From destination image building to identity-based branding", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 3, pp.247 - 254

**Keywords:** Brand identity, Country branding, Destination branding, Destination image building, Tourism development

**Article type:** Case study

**DOI:** 10.1108/17506181111156943 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: June 2009 Revised: February 2010 Accepted: May 2010 The author would like to acknowledge Professor Raija Komppula for her guidance throughout the development of the related dissertation process.

**Abstract:** Purpose – The purpose of this paper is to provide a detailed description of the various activities and processes undertaken by a particular national tourism organization (NTO) in carrying out its goal of developing a destination brand.

Design/methodology/approach – A single qualitative case study is primarily employed, though the study draws on data from multiple sources of information.

Findings – The study affirms the co-creation and stakeholder viewpoints from having modeled the branding process and outlining the complex interaction of destination-branding activities in the country-level context. The study provides a critical discussion of the different approaches to branding, and the adoption of branding philosophies, in the destination context.

Research limitations/implications – Though this paper is based on a single country case study, it provides a strong and empirically grounded framework for identifying, in-depth, several key destination branding processes and activities in great detail.

Originality/value – The co-creation view of brands and branding is a neglected area in destination-branding literature. Destination-branding research, in particular, lacks grounded models that profoundly describe branding activities. This study contributes to the lack of empirically grounded knowledge of destination branding.

**Title:** Segmenting destinations: in the eyes of the stakeholders

**Author(s):** Aaron Tkaczynski, (Lecturer at The University of Queensland, Brisbane, Australia), Sharyn Rundle-Thiele, (Associate Professor at Griffith University, Nathan, Australia)

**Citation:** Aaron Tkaczynski, Sharyn Rundle-Thiele, (2011) "Segmenting destinations: in the eyes of the stakeholders", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 3, pp.255 - 268

**Keywords:** Segmentation, Stakeholder theory, Stakeholders,

Tourism management

**Article type:** Research paper

**DOI:** [10.1108/17506181111156952](https://doi.org/10.1108/17506181111156952) (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: April 2009 Revised: June 2010 Accepted: June 2010 The authors would like to thank Dr Lisa Ruhanan from the University of Queensland and Dr Andrew McAuley from Griffith University for assisting in the review of this paper.

**Abstract:** Purpose – This paper aims to recommend a two-step approach to destination segmentation that incorporates the views both of multiple stakeholders and of tourists. Design/methodology/approach – Step one applies a case study approach incorporating semi-structured interviews with 13 destination stakeholders. Step two involves segmenting tourists to the destination based on a questionnaire survey developed from the semi-structured interviews. The study compares and contrasts the result with the current DMO approach. Findings – The two-step approach produces three segments for the destination under study using four segmentation bases and ten variables. The DMO approach also utilizes all four segmentation bases but produces six segments with five different variables. The DMO approach captures fewer tourists visiting the destination. Research limitations/implications – This study considers one regional Australian destination. Future research is recommended in a range of alternative destinations to further understand the two-step segmentation approach. It is recommended that the two-step approach should be extended to destination branding and positioning. Originality value – Segmentation guides positioning and branding strategies and the proposed two-step approach may assist destination stakeholders to reach more of the types of tourists who are likely to visit the destination.

**Title:** Sustainable tourism certification and state capacity:

keep it local, simple, and fuzzy

**Author(s):** Kirk S. Bowman, (Associate Professor at the Sam Nunn School of International Affairs, Georgia Institute of Technology, Atlanta, Georgia, USA)

**Citation:** Kirk S. Bowman, (2011) "Sustainable tourism certification and state capacity: keep it local, simple, and fuzzy", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 3, pp.269 - 281

**Keywords:** Ecotourism, Fuzzy logic, Qualification, State capacity, Sustainable tourism, Tourism management

**Article type:** Research paper

**DOI:** 10.1108/17506181111156961 (Permanent URL)

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**Abstract:** Purpose – The purpose of this paper is to examine the state of sustainable tourism certification in developing countries and to present methodological and practical critiques and improvements.

Design/methodology/approach – The study uses methodological refinements of fuzzy logic and comparative analysis based on fieldwork in seven countries. Findings – Sustainable tourism programs should be locally designed with local logos, largely performance-based, and aggregation should be based on fuzzy logic concepts of necessary and jointly sufficient attributes of sustainable tourism.

Originality/value – The paper uses political science concepts of state capacity and methodological advances of fuzzy logic to provide keys for successful sustainable tourism certification programs in developing countries.

**Title:** Conceptualization and anatomy of green destination brands

**Author(s):** Andrea Inch, (Senior Lecturer in the Marketing Department, University of Otago, Otago, New Zealand)

**Citation:** Andrea Inch, (2011) "Conceptualization and anatomy of green destination brands", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 3, pp.282 - 290

**Keywords:** Case studies, Conceptual development, Destination branding, Green marketing, New Zealand

**Article type:** Conceptual paper

**DOI:** 10.1108/17506181111156970 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: June 2009 Revised: June 2010 Accepted: June 2010 The author wishes to acknowledge the assistance of Ron Cuthbert and Magdalena Florek for their useful comments.

**Abstract:** Purpose – The purpose of this paper is to extend the concept of green brands to destinations and to examine the application and limitations of green destination brands for nations adopting this positioning strategy. Design/methodology/approach – The paper identifies characteristics of green destination brands, drawing on established concepts in corporate branding, destination branding and green marketing. The paper demonstrates the application and limitations of the concept through an in-depth case study analysis of New Zealand's destination brand to explain the possibilities and problems of building green destination brands at a national level. Findings – The findings suggest that a holistic, strategic approach to building a green destination brand which emphasizes and

qualifies the green essence of a nation's brand is required to avoid the pitfalls, cynicism and criticisms of greenwashing. Research limitations/implications – The research findings are embedded in the context studied – New Zealand's destination brand. Additional case studies at multiple levels – nations, regions, cities – would offer a rich database to gain a better understanding of the concept and the implications of green destination branding. Practical implications – Barriers to executing a credible green destination brand position are identified and the implications for destination marketing organizations and their stakeholders are discussed. Originality/value – A conceptualization of green destination brands is provided and the application and limitations of the concept are demonstrated through an in-depth case study of a nation that has adopted this positioning strategy. Rather than taking a snapshot research approach, a historical perspective enabled the development of the destination's brand positioning strategy to be captured.

**Title:** Tourist-created content: rethinking destination branding

**Author(s):** Ana María Munar, (Associate Professor at Copenhagen Business School, Frederiksberg, Denmark)

**Citation:** Ana María Munar, (2011) "Tourist-created content: rethinking destination branding", *International Journal of Culture, Tourism and Hospitality Research*, Vol. 5 Iss: 3, pp.291 - 305

**Keywords:** Destination branding, Information technology, Tourism, User-generated content

**Article type:** Research paper

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**Acknowledgements:** Received: June 2009 Revised: June 2010 Accepted: June 2010 The author thanks the Nordic Innovation Center for research funding, and Carina Hallin and

Bjarke Møller for reading and providing comments to this manuscript.

**Abstract:** Purpose – The purpose of this paper is to analyze the relationship between tourists' user-generated content on the web and destination branding, as well as to discuss the online strategies used by destination management organizations.

Design/methodology/approach – The research adopts an exploratory study of social media sites and destination brands, relying on qualitative research methods, content analysis and field research.

Findings – Tourists are largely contributing to destination image formation, while avoiding the use of the formal elements of the brands. The most popular strategies used by destination management organizations exhibit some crucial weaknesses. However, a strategy based on analytics brings new opportunities for destination branding. Originality/value – The study provides an innovative analysis of tourist-created content and its impact on destination branding and presents a theoretical model of generic web-based strategies.

**Title:** International tourists' image of Zhangjiajie, China: content analysis of travel blogs

**Author(s):** Aram Son, (Lecturer at the Sun Yat-Sen University Zhuhai, China)

**Citation:** Aram Son, (2011) "International tourists' image of Zhangjiajie, China: content analysis of travel blogs", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 3, pp.306 - 315

**Keywords:** Blogs, China, Content analysis, Destination image, Tourism, Travel, Zhangjiajie

**Article type:** Research paper

**DOI:** 10.1108/17506181111156998 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: April 2010 Revised: May 2010 Accepted: June 2010 The author would like to thank Professor Honggang Xu for reading and correcting the manuscript and Dr Ice Kim for helpful suggestions and encouragement.

**Abstract:** Purpose – The purpose of this study is to identify Western travelers' image of Zhangjiajie, China as a tourist destination, drawing on data from contents of web travel blogs.

Design/methodology/approach – The study taps the rich content of travel blogs as an alternative research instrument to measure and understand negative and positive images of destinations formed by travelers. Analysis of content drawn from travel blog data followed qualitative methodology techniques and utilized NVivo software.

Findings – The study shows that travel blogs can form a good basis for measuring Western travelers' image of destination. This was the case for Zhangjiajie, where analysis of travelers' blogs indicated that they were impressed overall by the destination's beautiful natural scenery and were highly satisfied with nature-based tourism attractions. The study also expounds on certain aspects of the destination that can be improved to satisfy Western travelers.

Originality/value – The majority of destination image studies rely on structured surveys developed from the researchers' point of view. This study attempts to explore tourists' own perspectives on the nature of a tourist destination by using travel blogs.

**Title:** Interpersonal influence and destination brand equity perceptions

**Author(s):** Felicitas Evangelista, (Associate Professor at the School of Marketing, University of Western Sydney, Penrith South Dc, Australia), Leonardo A.N. Dioko, (Professor at the Institute for Tourism Studies, Macau, China)

**Citation:** Felicitas Evangelista, Leonardo A.N. Dioko, (2011) "Interpersonal influence and destination brand equity perceptions", International Journal of Culture, Tourism and Hospitality Research, Vol. 5 Iss: 3, pp.316 - 328

**Keywords:** Brand equity, Influence, Reference group, Structural model

**Article type:** Research paper

**DOI:** 10.1108/17506181111157005 (Permanent URL)

**Publisher:** Emerald Group Publishing Limited

**Acknowledgements:** Received: April 2009 Revised: May 2010 Accepted: June 2010

**Abstract:** Purpose – This study seeks to examine the effect of two types of social influence, normative and informational, on travelers' perceptions of a destination's brand equity.

Design/methodology/approach – A brand equity measurement model, previously developed for a tangible product brand, is applied and validated in the context of a destination brand. The structural model is then estimated to test the effects of normative and informational influence on brand equity.

Findings – Normative but not informational influence has a significant effect on brand equity perceptions.

Originality/value – The empirical results help to strengthen the claim that branding principles can be readily generalized to tourism destinations.

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#### January 2011; 18 (1)

**Title:** Why is gold valuable? Nature, social power and the value of things

**Citation:** Cultural Geographies January 2011 18: 3-24,

**doi:** 10.1177/1474474010377549

**Author(s):** Erica Schoenberger (Dept of Geography and Environmental Engineering, The Johns Hopkins University, [ericas@jhu.edu](mailto:ericas@jhu.edu))

**Abstract:** The paper proposes a social history of the value of gold that stresses its connection to the acquisition, use and defense of social power. Gold's natural scarcity has continually been reinforced by an artificial scarcity arising from how powerful groups have used it, but the ruling class monopoly of control has alternated with periods of more widespread social access. In one period, gold is very closely held by a small number of very high-status people, followed by a time, often related to war, when the distribution of gold is significantly expanded socially. Then gold is drawn back in to the center and is closely held once more. This pattern is evident in Antiquity and, surprisingly, the 20th century. The paper explores the way in which the value of things established under one social order may continue to inflect the perception of value in later periods.

**Keywords:** Gold ; money; value ; social power

**Title:** Skin, race and space: the clash of bodily schemas in Frantz Fanon's *Black Skins, White Masks* and Nella Larsen's *Passing*

**Citation:** Cultural Geographies January 2011 18: 25-41,

**doi:** 10.1177/1474474010379953

**Author(s):** Steve Pile (The Open University, UK, [s.j.pile@open.ac.uk](mailto:s.j.pile@open.ac.uk))

**Abstract:** Nella Larsen's novel *Passing* offers the opportunity to reconsider the relationship between race and space. The novel provides an account of space that is highly racialized. It describes 1920s Chicago as having heavily proscribed white and black spaces. However, race itself is far more uncertain. The novel's two main characters, Irene and Clare, though black by blood in US American racial schematics, are both able to pass as white. Their skin colour renders their

race ultimately unknowable: they can easily cross the borders between the white and the black world. By using Frantz Fanon's notions of corporeal schemas and epidermal schemas, and by focusing on skin itself, it is possible to open up another way of seeing race and space in the novel. The paper argues that these bodily schemas ultimately clash, and come to grief, in the novel. Even so, this clash of bodily schemas enables a possible resolution to the problem of seeing the body either through black/ white grids of signification and power, or through their aggregation into phenotypes or races. In this view, bodily schemas may come to define race and space, but never exclusively in one way or another.

**Keywords:** bodily schemas; Nella Larsen; race; space; skin; passing

**Title:**Racial narratives: Miskito and colono land struggles in the Honduran Mosquitia

**Citation:** Cultural Geographies January 2011 18: 43-62,

**doi:**10.1177/1474474010384928

**Author(s):**Sharlene Mollett (Dartmouth College, USA, sharlene.l.mollett@dartmouth.edu)

**Abstract:** This article examines the multiple ways race and racialized processes are embedded in Miskito Indian and ladino colono land struggles in Honduras. In the context of more than 30 years of state refusals to formalize the boundaries of Miskito ancestral territories, this article interrogates the ways in which the state accommodates ladino colono encroachments inside Miskito space. State and colono challenges to Miskito customary claims echo early post-colonial narratives of integration under the Civilization Program. Drawing from ethnographic accounts, this article illuminates how meanings and practices are intertwined in the way land use production and racial hierarchies are mutually constituted. Thus, I argue that Miskito, state and colono narratives of land struggle draw on, contest and reinvigorate a longstanding state nationalist project of 'whitening' where racial imaginaries are encoded in environmental arrangements and assessed through ascendant conceptions of suitable and unsuitable land use practices.

**Keywords:** Honduras; land struggles; Miskito; racialization; whiteness

**Title:** 'Ten thousand lads with shining eyes are dreaming and their dreams are wings': affect, airmindedness and the birth of the aerial subject

**Citation:**Cultural Geographies January 2011 18: 63-89,

**doi:**10.1177/1474474010377670

**Author(s):** Peter Adey (School of Physical and Geographic Sciences, Keele University, [p.adey@esci.keele.ac.uk](mailto:p.adey@esci.keele.ac.uk))

**Abstract:** This paper explores how the emergence of an aerial subjectivity — an airmindedness — was engineered, manufacturing a reactive and militarized subject-citizen who would defend and promote the nation. Questioning the tendency to see airmindedness as an abstract notion promulgated by messages

and propaganda, this paper explores how the British population were made air-minded by being encouraged to act and move in specific ways and in particular geographical contexts. Examining the bodily performances, physiological and affective techniques of training embarked upon, the paper departs from the symbolic performativity of mobile national subjectivities.

**Keywords:** Affect; air-mindedness; aviation; mobility; national identity

**Title:** The monad and the nomad: medical microbiology and the politics and possibilities of the mobile microbe

**Citation:** Cultural Geographies January 2011 18: 91-114,

**doi:**10.1177/1474474010379304

**Author(s):** Frederick Attenborough (Department of Geography, Loughborough University, [f.t.attenborough@lboro.ac.uk](mailto:f.t.attenborough@lboro.ac.uk))

**Abstract:** This paper is about the ontological politics and possibilities of the mobile microbe. It seeks to foreground a link that exists between current understandings of the mobile microbe and the conditions of possibility structuring the production of such a microbe in the medical microbiological sciences. When the microbial world is brought into the field of medical perception, it is a monadic microbe, isolated and alone, that appears. But why is this? Because out there, in the microbial world, things travel alone? Working through a case study of the 2003 severe acute respiratory syndrome (SARS) outbreak, this paper suggests not. That SARS was caused by one viral agent, a coronavirus (CoV), is now microbiological fact. But the argument here is that this fact is an effect; that various medical microbiological practices and interventions, whilst establishing the visibility of this monadic human coronavirus, were serving, at the same time, to suppress any possibility of a very different, and differently mobile, human coronavirus becoming similarly visible. And that is where the politics comes in. For if politics, the realm of the political, can be taken to arise in situations where various possibilities exist but not all possibilities can be chosen, then it follows that there is a politics bound up with the practical production of the mobile microbe in the medical microbiological sciences.

**Keywords:** medical microbiology ; microbes; mobility; severe acute respiratory syndrome (SARS); styles of practice

## April 2011; 18 (2)

**Title:** What was Fight Club? Theses on the value worlds of trash capitalism

**Citation:** Cultural Geographies April 2011 18: 143-170,

**doi:**10.1177/1474474010395337

**Author(s):** George L. Henderson (University of Minnesota, USA, [hende057@umn.edu](mailto:hende057@umn.edu))

**Abstract:** Since its 1999 theatrical release, Fight Club has been a cult favorite notable for the regular punches thrown and received by its protagonists. How

should we read these thrashings alongside what is arguably the film's other great obsession, trash? I argue that *Fight Club's* trash is no mere adjunct or prop for the story; it is the central value-theoretic object structuring the film. Drawing upon recent literatures that urge us to value trash, the paper has three objectives: to reevaluate *Fight Club's* representation of capitalism, to develop a value-theoretic account of trash, and, by extension, to explore what that account implies for a broad conception of capitalist value and its origins in human 'species being' (Marx). I argue that when trash is defined not simply as the unusable remains of commodities but as matter 'out of place', and when any assemblage, including human species being can be shown to consist, in its being, of matter 'out of place', trash can be glimpsed as the condition of possibility for value. Value, however, appears otherwise, as a chain of ordered emplacements. I read *Fight Club* as the stage upon which these contradictory value conceptions are played out and as a provocation to consider the politics of misrecognition that result from value appearing as other than what it is.

**Keywords:** *Fight Club*; film; Marxism; species being trash; value

**Title:** The spatial supplement: landscape and perspective in W.G. Sebald's *The Rings of Saturn*

**Citation:** *Cultural Geographies* April 2011 18: 171-186,

**doi:**10.1177/1474474010397596

**Author(s):** Daniel Weston (University of Nottingham, UK, [aexdw@nottingham.ac.uk](mailto:aexdw@nottingham.ac.uk))

**Abstract:** For cultural geographers, uncertainties inhabit the concept of 'landscape'. The term shuttles between describing embodied practice of immersion in an environment, and indicating representational strategies for looking at an environment. This article provides a reading of W.G. Sebald's *The Rings of Saturn* as a platform from which to offer a critique of current understandings of landscape from a critical perspective that looks to assimilate the findings of cultural geography and literary studies. Sebald's record of an ambulatory journey through coastal Suffolk aims not to resolve the instabilities of 'landscape', but to collapse into one another its discrete meanings: it is through the history of previous artistic visitation, coupled with his own sensory involvement, that Sebald engages with and inhabits the landscape that he describes. Derrida's notion of 'supplementarity' is employed to provide purchase by which to recognize the interdependence of practice and representation in the production of landscape in Sebald's text, and in a widely applicable understanding of the term's complexities.

**Keywords:** East Anglia; landscape; perspective; supplement; representation; W.G. Sebald

**Title:** The vicar's daughter and the goddess of tennis: cultural geographies of sporting femininity and bodily practice in Edwardian suburbia

**Citation:** Cultural Geographies April 2011 18: 187-207,

**doi:**10.1177/1474474011399249

**Author(s):** David Gilbert (Royal Holloway, University of London, UK, [d.gilbert@rhul.ac.uk](mailto:d.gilbert@rhul.ac.uk))

**Abstract:** The 1919 Wimbledon Ladies final between Suzanne Lenglen and Dorothea Lambert Chambers has been treated as a decisive break not just in women's tennis, but in sporting femininity more generally. Lenglen has conventionally been seen as a harbinger of modern sporting femininity, particularly as expressed in her dress, her style of tennis and her physical athleticism. By contrast, Chambers has come to represent an older femininity, constrained by social convention and restricted by dress-codes. In this formulation, Edwardian women's tennis is seen as a trivial suburban pastime. This paper re-evaluates this distinction through an analysis of the complexities of the cultural geographies of the 1919 final, through a detailed examination of the physical and mental characteristics of Chambers' approach to tennis, and through a reassessment of the significance of early 20th century London suburbia as a milieu for female sporting development. It provides a critical reappraisal of Pierre Bourdieu's concepts of habitus and hexis, arguing that Bourdieu's formulation approaches a more or less deterministic theory of embodied practice, in which social codes and conventions become naturalized in particular movements and dispositions. Chambers' emphases on repetitive practicing and mental preparation of tactics indicate a rather different relationship between social context and bodily movement in Edwardian women's tennis, one that reasserts the significance of agency and deliberation, and which chimes with recent work in human geography that explores the inter-relationships between the symbolic and the embodied. The paper also highlights the generative and potentially progressive capacities of Edwardian suburban sporting culture.

**Keywords:** Dorothea Lambert Chambers; embodiment; gender; habitus; London; Pierre Bourdieu; practice; sport; suburbs; Suzanne Lenglen

**Title:** The extensible digestive system: biotechnology at the Battle Creek Sanitarium, 1890-1900

**Citation:** Cultural Geographies April 2011 18: 209-229,

**doi:**10.1177/1474474010393646

**Author(s):** Nicholas Bauch (Stanford University, USA, [nbbauch@stanford.edu](mailto:nbbauch@stanford.edu))

**Abstract:** In the closing decade of the 19th century the Battle Creek Sanitarium, located in southern Michigan, operated as a health resort for invalids. Best known as the place where breakfast cereal was first packaged and mass-marketed, its most famous product — Corn Flakes — was the result of ceaseless experimentation to find a concoction that would serve the pharmacological purpose of healing patients. Through the course of healing at the sanitarium, digestion was paramount. This article demonstrates how

digestion and the body were linked with technological implements housed in the sanitarium, creating a spatialized network of bodies at the sanitarium, and highlighting the material impacts of an early form of biotechnology. I ask not what does digestion look like — as a strictly anatomical process — but what does the geography of digestion look like — as a mapping of the digestive organs with the technologies that make it possible? This rendering demonstrates that the boundary between body and environment is not so strict, as witnessed in this earlier formation of biotechnologies. This point is made in a narrative account of the significance of eating and digestion at the sanitarium in the 1890s.

**Keywords:** Body; digestion; food consumption; health; hybrid body; machine; relational space

**Title:** Geography, colonialism and town planning: Patrick Geddes' plan for mandatory Jerusalem

**Citation:** Cultural Geographies April 2011 18: 231-248,

**doi:**10.1177/1474474011402256

**Author(s):** Noah Hysler Rubin (Bezalel Academy of Arts and Design, Israel, [noah.rubin@mail.huji.ac.il](mailto:noah.rubin@mail.huji.ac.il))

**Abstract:** Patrick Geddes worked in Jerusalem between 1919 and 1925. He was originally summoned to the city by the Zionists, in order to plan the Hebrew University of Jerusalem; eventually, he also submitted an overall plan for the city, presented to its British Governor. Geddes' university plan and many of his other local cultural and educational endeavours were not successful. However, his plan for the city was approved and still dictates its development on many planes. The article discusses Geddes' overall work in Jerusalem as a product of his imperial world view, as he pictured the re-instatement of a biblical Jerusalem and assigned the homecoming Zionists the ancient role of a regional leader among its neighbouring countries. Geddes' tools for the study of the environment, such as the survey, and his educational endeavours such as the museum and the exhibition, are discussed as local manifestations of the geographical imperial project. Geddes' urban theory is discussed as a rigid and a foreign product of western and orientalist nature, which was enforced upon the landscape. Geddes himself is presented as a colonial town planner, one who practiced through an imperial professional and personal network and who had aspired to serve both the British and the Jews over the control of identity and space in contested Palestine. Finally, the article links Geography and Planning through the colonial practice of urban and social transformation.

**Keywords:** Colonial town planning; imperial geography; Jerusalem; Patrick Geddes

**Title:** Constellations of ferry (im)mobility: islandness as the performance and politics of insulation and isolation

**Citation:** Cultural Geographies April 2011 18: 249-271,

**doi:**10.1177/1474474010397597

**Author(s):** Phillip Vannini (Royal Roads University, Victoria BC, Canada, [phillip.vannini@royalroads.ca](mailto:phillip.vannini@royalroads.ca))

**Abstract:** Drawing from three years of fieldwork — including over 250 journeys and about 400 interviews — conducted in ferry-dependent coastal and insular communities of British Columbia, this paper extends the concept of constellation of mobility and provides empirical evidence to argue for its relevance. Coined by Cresswell, the concept of constellations of mobility refers to historically and geographically specific formations of movement inclusive of relational experiences, practices, and politics. By focusing on two of the constitutive parts indicated by Cresswell (experience and route) and a third one originally developed here (remove) ethnographic data description and analysis show how ferry (im)mobility in ferry-dependent communities contributes to spatializing dynamics of insulation and isolation. Positive affective aspects of these spatializations, such as uniqueness and distinction, place-attachment, sense of place, place-identity, safety, connection, and remoteness, as well as negative aspects, such as marginalization, divisiveness, disconnection, fear, and confinement are outlined.

**Keywords:** Ferries; islands; mobilities; mobile ethnography; place; rural areas

**July 2011; 18 (3)**

**Title:** Art as social practice: transforming lives using sculpture in HIV/AIDS awareness and prevention in Uganda

**Citation:** Cultural Geographies July 2011 18: 275-296,

**doi:**10.1177/1474474010377548

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Cheryl McEwan (Geography Department, Durham University, [cheryl.mcewan@durham.ac.uk](mailto:cheryl.mcewan@durham.ac.uk))

**Abstract:** This article explores the possibilities of art as social practice in the context of the fight against HIV/AIDS. It is inspired by notions of art having the capacity to move beyond the spaces of galleries into an expanded field, and thus beyond the visual and into the social. The article examines the potential for sculpture to play a transformative role in HIV/AIDS awareness and prevention, and in transforming the gender relations that shape the dynamics of the spread of the disease. These ideas are developed through discussion of research conducted in Uganda and in the UK, which sought to develop forms of sculptural practice for HIV/AIDS awareness and prevention in Uganda. The article explores the ways in which a series of soap sculptures are an effective tool in the fight against the disease, particularly in communities with high rates of illiteracy and in which discussion of sex and sexuality remains largely taboo. The article contends that countering taboo and facilitating dialogue between women and men, thus encouraging attitudinal and behavioural change, are perhaps the most significant impacts that this form of sculpture can make. This is because while awareness of the disease in Uganda is often high, having the capacity to

discuss and act upon this awareness is often problematic, largely because of fear, stigma and taboo, and the unequal gender relations that determine the nature of men and women's sexual lives. The article concludes that the transformative effects of the soap sculptures are revealed in the ways in which they challenge taboos, tackle fear and stigma, and facilitate dialogue between men and women.

**Keywords:** Art ; gender ; HIV/AIDS ; sculpture ; sub-Saharan Africa ; transformation; Uganda

**Title:** Reading the river through 'watercraft': environmental engagement through knowledge and practice in freshwater angling

**Citation:** Cultural Geographies July 2011 18: 297-314,

**doi:**10.1177/1474474010384913

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Christopher Bear (Institute of Geography & Earth Sciences, Aberystwyth University)

**Abstract:** This paper examines how freshwater anglers in northern England 'read' rivers as landscapes and work with them relationally, through various sorts of embodied knowledge-practices, as part of their angling activity: processes that they call 'watercraft'. We focus specifically on water as an environment that anglers encounter as a different world: unlike land and air, water is not an everyday medium in which humans (as terrestrial animals) live and breathe. We use this example of environmental engagement to go beyond visual engagement with landscapes, to show how people develop skills of environmental interpretation, mapping and nonvisual sense-making in ways that are particular to the water encounter. We conclude by arguing for a mutual and multisensory notion of environmental engagement that considers not merely human perception but also how environments, such as water, also shape that encounter.

**Keywords:** Angling; environmental engagement; knowledge-practices; rivers; water

**Title:** Night walking: darkness and sensory perception in a night-time landscape installation

**Citation:** Cultural Geographies July 2011 18: 315-342,

**doi:**10.1177/1474474011410277

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**Abstract:** Human sensory orders are recalibrated when faced with the reduced illumination levels of the night; it is harder to judge depth and distance, details are obscured, colours muted, and one is obliged to compensate for this loss of visual acuity by drawing on the other senses. Darkness also forces one to question how one's body is in relation to that which surrounds, challenging one's human sense of bodily presence and boundary. Focusing on The Storr:

Unfolding Landscape, a temporary night-time installation by the environmental arts charity NVA (Nacionale Vite Activa) on the Isle of Skye in 2005, this article draws together contemporary art theory on installation art and recent post-phenomenological work in geography to explore the ways in which individuals experience the nocturnal landscape. In so doing, the article highlights the close connections between these two bodies of work and how they might be usefully employed to advance traditional geographical understandings of landscape in art. At the same time, however, it raises both an empirical concern and a methodological question. First, regarding the uncritical way in which visibility is incorporated into many post-phenomenological accounts of landscape. Second, regarding the validity of focusing on isolated narratives in instances such as this when so much of what the individuals experienced was caused by, or shared with, others.

**Keywords:** Darkness; installation art; Isle of Skye; landscape; senses

**Title:** Still searching for the Promised Land: placing women in Bruce Springsteen's lyrical landscapes

**Citation:** Cultural Geographies July 2011 18: 343-362,

**doi:**10.1177/1474474011410276

**Author(s):** Pamela Moss (University of Victoria, Canada, [pamelam@uvic.ca](mailto:pamelam@uvic.ca))

**Abstract:** By telling stories about the unevenness of the ideal of the Promised Land, Bruce Springsteen drenches landscapes with individualized renderings that speak to a collective sense of being American and living in America. Yet what is lost in this detail is the awareness that males dominate the American imaginary, that Americans are men, and that their America is masculine. A close, critical reading of Springsteen's lyrics via Deleuze and Guattari's ideas of ontological positivity and becoming-woman reveals complexities embedded in his American imaginary, ones rife with iconic images that assist in figuring out how women come to be an intricate part of the story without being the subject of the tale. In reading Springsteen's lyrical landscapes, ones crafted through the ideal of the Promised Land, I use the unexplored hook of man as subject as a positive mechanism of becoming to show how the lyrics work to place women vis-a-vis men's journeys to the Promised Land.

**Keywords:** becoming-woman; Bruce Springsteen; Deleuze; feminism; lyrical landscapes; man as subject; Promised Land; women

**Title:** 'The long and dusty road': Comex travel cultures and Commonwealth citizenship on the Asian Highway

**Citation:** Cultural Geographies July 2011 18: 363-383,

**doi:**10.1177/1474474010382074

**Author(s):** Ruth Craggs (St Mary's University College, UK, [Craggsr@smuc.ac.uk](mailto:Craggsr@smuc.ac.uk))

**Abstract:** This article explores the Comex expeditions founded in 1965 to allow young people to understand Commonwealth ideals through travelling by road to

India. Comex drew on optimistic narratives about the possibilities of the Commonwealth as an antidote to the perceived problems of race and declining values in the modern world, attempting to produce enlightened Commonwealth citizens through the travel culture prescribed on route. The article argues that contact, hospitality, adventure and discipline were all central to the expeditions, feeding into and reproducing visions for the Commonwealth in the 1960s and drawing on other narratives of the road and post-colonial travel. By recalling episodes and events on these journeys, the paper highlights the creation and practice of a Comex Commonwealth citizenship through travel. It also provides insights into the reconstruction of expeditionary memories and identities through a variety of archival materials.

**Keywords:** Asian Highway; citizenship; Comex; Commonwealth; the road; travel culture

**Title:** So close, yet so far away: imaging Chinese 'homeland' in Taiwan's geography education (1945–68)

**Citation:** Cultural Geographies July 2011 18: 385-411,

**doi:**10.1177/1474474010384914

**Author(s):** Bi-yu Chang (Centre of Taiwan Studies, School of Oriental and African Studies, University of London, [bc18@soas.ac.uk](mailto:bc18@soas.ac.uk))

**Abstract:** After their defeat in the Chinese civil war, in 1949 the exiled Kuomintang (KMT) government fled to Taiwan and endeavoured to educate the baby-boomer generation on the island to become 'true Chinese'. Geography education was one of the fundamental vehicles used by the KMT to construct a Chinese identity and to create a longing for a Chinese motherland. This paper explores the ways in which a KMT-versioned 'sense of place' was constructed in elementary education during the period between 1945 and 1968, and investigates how the concepts of 'home' and 'homeland' were introduced and presented in school textbooks. By examining the geographic knowledge taught in Taiwan's elementary schools (both through the content of textbooks and the design of the curriculum), this paper investigates how the foundations of a China-centric identity were laid, and also the ways in which a Chinese homeland was constructed through geography education. However, in the process of reinforcing a sense of Chinese-ness, the relationship between the island and its inhabitants was sacrificed. The island became distant, insignificant and absent in school education and was turned into a meaningless flatscape. This paper argues that the rise of Taiwanese awareness in the 1990s has proven that an arbitrary construction of an inauthentic Chinese identity is both problematic and unsustainable.

**Keywords:** Flatscape; geographical imagination; geography education; homeland; identity; placelessness; sense of place; Taiwan and China

## 4 期刊刊名: Environment & Urbanization.

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### April 2011; 23 (1)

**Title:**The state of urban health in India; comparing the poorest quartile to the rest of the urban population in selected states and cities

**Citation:** Environment and Urbanization April 2011 23: 13-28,

**doi:**10.1177/0956247811398589

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**Abstract:** India has the world's second largest urban population (after China). This paper shows the large disparities within this urban population in health-related indicators. It shows the disparities for child and maternal health, provision for health care and housing conditions between the poorest quartile and the rest of the urban population for India and for several of its most populous states. In the poorest quartile of India's urban population, only 40 per cent of 12 to 23 month-old children were completely immunized in 2004–2005, 54 per cent of under-five year-olds were stunted, 82 per cent did not have access to piped water at home and 53 per cent were not using a sanitary flush or pit toilet. The paper also shows the large disparities in eight cities between the poorest population (the population in the city that is within the poorest quartile for India's urban areas), the population living in settlements classified as "slums" and the non-slum population. It also highlights the poor performance in some health-related indicators for the population that is not part of the poorest quartile in several states — for instance in under-five mortality rates, in the proportion of stunted children and in the proportion of households with no piped water supply to their home.

**Keywords:** health care; housing; inequality; poverty; sanitation; urban health; water

**Title:**Revisiting urban health and social inequalities: the devil is in the detail and the solution is in all of us

**Citation:** Environment and Urbanization April 2011 23: 29-40,

**doi:**10.1177/0956247811398588

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**Abstract:** This paper considers how the subject of urban inequalities has come to be given more consideration within the discussions of urban poverty and urban health. It suggests a need for more precision in understanding and acting on such inequalities — and discusses how measurement and policy response are influenced by whether the focus is on urban poverty, differentials, inequality or inequity. Many authors fail to clarify the difference between a differential, an unequal and an unjust distribution of services or resources, or health outcomes. This paper discusses what aspects of inequality can and cannot be addressed through conventional local government interventions (for instance, in upgrading informal settlements or public transport, or water pricing). It argues that to change urban inequalities at root, we have to recognize and address unjust distributions of power and control of resources.

**Keywords:** urban equity; urban health; urban inequality; urban poverty

**Title:** Motivating service improvement with awards and competitions - hygienic city campaigns in China

**Citation:** Environment and Urbanization April 2011 23: 41-56,

**doi:**10.1177/0956247810396987

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Houghton Street, London WC2A 2AE, UK;, [b.li@lse.ac.uk](mailto:b.li@lse.ac.uk))

**Abstract:** Awards and competitions are often used to motivate public servants, and this paper examines how the central government of China uses these to try and motivate cities to improve public hygiene. The authors argue that apart from improving performance,(1) awards and competitions are good at motivating user participation and spreading good practice. However, the design of the schemes used in China tends to prioritize disproportionately the winning mentality, and sometimes causes high costs and social tension.

**Keywords:** Awards; China; competitions; healthy cities; motivation; public hygiene

**Title:** Indian cities, sanitation and the state: the politics of the failure to provide

**Citation:** Environment and Urbanization April 2011 23: 57-70,

**doi:**10.1177/0956247810396277

**Author(s):** Susan E Chaplin (School of Public Health, La Trobe University, Melbourne VIC 3086, Australia, [s.chaplin@latrobe.edu.au](mailto:s.chaplin@latrobe.edu.au))

**Abstract:** The environmental problems confronting Indian cities today have arisen because millions of people have been forced to live in illegal settlements that lack adequate sanitation and other basic urban services. This is the result of two factors. The first is the legacy of the colonial city characterized by inequitable access to sanitation services, a failure to manage urban growth and

the proliferation of slums, and the inadequate funding of urban governments. The second is the nature of the post-colonial state, which, instead of being an instrument for socioeconomic change, has been dominated by coalitions of interests accommodated by the use of public funds to provide private goods. This has enabled the middle class to monopolize what sanitation services the state has provided because the urban poor, despite their political participation, have not been able to exert sufficient pressure to force governments to effectively implement policies designed to improve their living conditions. The consequence is that public health and environmental policies have frequently become exercises in crisis intervention rather than preventive measures that benefit the health and well-being of the whole urban population.

**Keywords:** Ahmedabad; Delhi; India; middle class; Mumbai; sanitation; urban development; urban poor

**Title:** In the first place: community prevention's promise to advance health and equity

**Citation:** Environment and Urbanization April 2011 23: 71-89,

**doi:**10.1177/0956247811398600

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**Abstract:** This paper highlights the role of community prevention in improving overall health and in supporting health equity. By addressing the underlying causes of illness and injury, community prevention efforts can prevent illness and injury before they occur. The paper presents three frameworks that support quality community prevention efforts. The first, Taking Two Steps to Prevention, analyzes the underlying causes of illness, injury and health inequities and helps identify key opportunities for intervention and prevention. The second framework, the Spectrum of Prevention, guides users in thinking through the elements of a comprehensive community prevention strategy: strengthening individual knowledge and skills; promoting community education; educating providers and leaders (in all sectors); fostering coalitions and networks; changing organizational practice (within government, health institutions and workplaces, among others); and influencing policy and legislation. Both Taking Two Steps and the Spectrum are explained through the demonstration of two successful and ongoing community prevention efforts: first, preventing smoking; and second, promoting breastfeeding. The third framework, Collaboration Multiplier, focuses on developing sustainable interdisciplinary partnerships capable of addressing a variety of health and social problems. Collaboration Multiplier provides a matrix that clarifies the contributions that

different sectors bring to a particular health or social problem and helps develop a shared language and understanding for working together.

**Keywords:** Collaboration Multiplier; community prevention; health care; health inequity; illness; injury; Spectrum of Prevention; Taking Two Steps to Prevention

**Title:** Health, hygiene and appropriate sanitation: experiences and perceptions of the urban poor

**Citation:** Environment and Urbanization April 2011 23: 91-111,

**doi:**10.1177/0956247811398602

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**Abstract:** “Don’t teach us what is sanitation and hygiene.” This quote from Maqbul, a middle-aged male resident in Modher Bosti, a slum in Dhaka city, summed up the frustration of many people living in urban poverty to ongoing sanitation and hygiene programmes. In the light of their experiences, such programmes provide “inappropriate sanitation”, or demand personal investments in situations of highly insecure tenure, and/or teach “hygiene practices” that relate neither to local beliefs nor to the ground realities of a complex urban poverty. A three-year ethnographic study in Chittagong, Dhaka, Nairobi and Hyderabad illustrated that excreta disposal systems, packaged and delivered as low-cost “safe sanitation”, do not match the sanitation needs of a very diverse group of urban men, women and children. It is of little surprise that the delivered systems are neither appropriate nor used, and are not sustained beyond the life of the projects. This mismatch, far more than an assumed lack of user demand for sanitation, contributes to the elusiveness of the goal of sanitation and health for all. The analysis indicates that unless and until the technical, financial and ethical discrepancies relating to sanitation for the urban poor are resolved, there is little reason to celebrate the recent global declaration on the human right to water and sanitation and health for all.

**Keywords:** gendered identities; mismatch; sanitation and hygiene priorities; spatial heterogeneity

**Title:** Municipality, space and the social determinants of health

**Citation:** Environment and Urbanization April 2011 23: 113-117,

**doi:**10.1177/0956247811398586

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**Abstract:** Half the world's population currently lives in urban centres and this share will continue to rise. Urban centres have a crucial role in the social and economic development of countries. As places where people live and co-exist, the urban environment and urban living conditions play a critical role in people's health. Local government is the government institution closest to citizens and the one that is best placed to acquaint itself with city problems. Thus, it is a key contributor to improvements in the health and quality of life of its citizens and of all social groups. The World Health Organization's Healthy Cities strategy plays an essential part in this as it seeks to improve urban environments in ways that contribute to people's enhanced health and human potential.

**Keywords:** Health; healthy city; social determinants of health

**Title:** Cancer note from the slums

**Citation:** Environment and Urbanization April 2011 23: 119-121,

**doi:**10.1177/0956247811398594

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**Abstract:** This short note reports on the difficulties facing a community leader in Guayaquil, whom the author has known for more than 30 years, in getting and affording treatment for breast cancer. It serves as a reminder that low-income households in low- and middle-income nations face many of the same health risks from non-communicable diseases as higher-income groups, but cannot get appropriate treatment from public health care and cannot afford private treatment.

**Keywords:** Cancer; low-income countries; non-communicable diseases; public health care

**Title:** Ill-health and poverty: a literature review on health in informal settlements

**Citation:** Environment and Urbanization April 2011 23: 123-155,

**doi:**10.1177/0956247811398604

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**Abstract:** This paper reviews the literature on health in the informal settlements (and "slums") that now house a substantial proportion of the urban population in Africa, Asia and Latin America. Although this highlights some important gaps in research, available studies do suggest that urban health inequalities usually begin at birth, are reproduced over a lifetime (often reinforced by undernutrition), and may be recreated through vulnerabilities to climate change and a "double burden" of communicable and non-communicable diseases. The review begins with a discussion of papers with a life-course perspective on health, poverty and housing, before considering recent literature on chronic poverty and ill-health over time. It then discusses the literature on the cost,

quality and access to care among low-income groups, and the under-recognized threat of unintentional injuries. This includes recent literature that discusses where low-income residents may suffer an “urban penalty” rather than benefiting from urban bias — although there are also studies that show the effectiveness of accessible, pro-poor health care. The concluding section examines emerging risks such as non-communicable diseases and those associated with climate change. It notes how more gender- and age-sensitive strategies can help address the large inequalities in health between those in informal settlements and other urban residents. With greater attention to the multi-faceted needs of low-income communities, governments can create interventions to ensure that urban centres fulfil their enormous potential for health.

**Keywords:** climate change; equity; health services; housing; poverty; urban health

**Title:** Youth and “the hood” - livelihoods and neighbourhoods

**Citation:** Environment and Urbanization April 2011 23: 157-181,

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**Author(s):** Richard Mabala (TAMASHA, PO Box 15044, Arusha, rmabala@tamashavijana.org)

**Abstract:** This paper describes how large youth populations in low- and middle-income countries, particularly those living in urban areas, are being demonized as potential threats to stability and development (the “youth bulge”). This negative perception is a self-fulfilling prophecy, as by neglecting or mistreating youth, they may become the very threats the proponents of the status quo fear most. In most of Africa, the majority are no longer in school, are unable to get jobs, often live in informal settlements and are out of touch with any organization at all. Meanwhile, national efforts to address their issues are confined to a ministry with minimal budget and influence. Usually, only small groups of the most educated, mainly male and older youth are reached, who are then hailed in international meetings as the creative resourceful leaders of tomorrow (or today). This paper argues that new, creative, holistic and youth-led programmes are needed to enable the majority of youth to participate as full citizens in the development of their communities and society as a whole. Young people need to have their own institutions at community level that provide a focus for their education, recreation and entrepreneurial activities, as well interaction with other organizations and involvement in and activism on issues that matter to them at local, national and international level. Such youth institutions should be supported by local as well as national governments, with sufficient funding and authority to ensure that youth are integrated and involved in all sectors. Africa’s development depends on it.

**Keywords:** Capacity; development; employment; gender(ation); livelihood; participation; (social) entrepreneurship; violence; youth

**Title:** The Technical Training Resource Centre (TTRC): building community architects

**Citation:** Environment and Urbanization April 2011 23: 183-193,

**doi:**10.1177/0956247810396057

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**Abstract:** This paper describes how the Technical Training Resource Centre (TTRC) was set up by a young trainee of the Orangi Pilot Project—Research and Training Institute (OPP—RTI) to support better quality housing and infrastructure provision in the kaatchi abadis (informal settlements) of Karachi. The centre’s work includes technical advice for constructing or extending houses and schools, training in construction for those with diplomas in civil engineering and architecture, and training for young people to undertake neighbourhood-level documentation and mapping (this is needed for planning upgrading and for negotiating with government authorities for infrastructure and tenure). The paper also discusses the difficulties that the TTRC faced, including generating sufficient funding to cover its costs.

**Keywords:** community architects; low-cost building design; mapping; schools savings groups; training local masons; young people

**Title:** Deaf youth and cultural negotiation in Porto Alegre, Brazil

**Citation:** Environment and Urbanization April 2011 23: 195-202,

**doi:**10.1177/0956247810395870

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**Abstract:** This paper is the result of a survey of 40 young deaf people from different social classes in Porto Alegre, Brazil. The aim is to discuss issues related to the dynamic of accessibility in contemporary urban spaces and its relation to deaf people. In this sense, arguments emerge relating to communication, especially with regard to the use of the Brazilian sign language, LIBRAS. In this context, it is necessary to recognize deaf culture, a field of study within cultural studies, which places the deaf subjects in a position of cultural difference in relation to the listeners, so that these youngsters are often grouped in some public spaces as a way of claiming rights and living as equals.

**Keywords:** Accessibility; cultural studies; deaf culture; deaf youth; sign language; urban area

**Title:** “ Like we don’t have enough on our hands already!”: the story of the Kenyan slum youth federation

**Citation:** Environment and Urbanization April 2011 23: 203-206,

**doi:**10.1177/0956247810396056

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**Abstract:** Slum dweller federations, like many other social movements, cater for the youth in their constituencies. This is critical to their relevance as agents of change and contributes to the sustainability of the movements. However, the youth formations are not merely scaled-down versions of the movements and often grapple with a set of dynamics unique to that transitory period in life. This story is a case study of the youth federation that is aligned to Kenya's slum dwellers federation.

**Keywords:** donor support; evaluation; federations; SDI; urban; youth

**Title:** Cities and greenhouse gas emissions: moving forward

**Citation:** Environment and Urbanization April 2011 23: 207-227, first published on January 10, 2011

**doi:**10.1177/0956247810392270

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**Abstract:** Cities are blamed for the majority of greenhouse gas (GHG) emissions. So too are more affluent, highly urbanized countries. If all production-and consumption-based emissions that result from lifestyle and purchasing habits are included, urban residents and their associated affluence likely account for more than 80 per cent of the world's GHG emissions. Attribution of GHG emissions should be refined. Apportioning responsibility can be misguided, as recent literature demonstrates that residents of denser city centres can emit half the GHG emissions of their suburban neighbours. It also fails to capture the enormous disparities within and across cities as emissions are lowest for poor cities and particularly low for the urban poor.

This paper presents a detailed analysis of per capita GHG emissions for several large cities and a review of per capita emissions for 100 cities for which peer-reviewed studies are available. This highlights how average per capita GHG emissions for cities vary from more than 15 tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) (Sydney, Calgary, Stuttgart and several major US cities) to less than half a tonne (various cities in Nepal, India and Bangladesh). The paper discusses where GHG emissions arise and where mitigation efforts may be most effective. It illustrates the need to obtain comparable estimates at city level and the importance of defining the scope of the analysis. Emissions for Toronto are presented at a neighbourhood level, city core level and metropolitan area level, and these are compared with provincial and national per capita totals. This

shows that GHG emissions can vary noticeably for the same resident of a city or country depending on whether these are production- or consumption-based values. The methodologies and results presented form important inputs for policy development across urban sectors. The paper highlights the benefits and drawbacks of apportioning GHG emissions (and solid waste generation) per person. A strong correlation between high rates of GHG emissions and solid waste generation is presented. Policies that address both in concert may be more effective as they are both largely by-products of lifestyles.

**Keywords:** Cities; climate change; scope of emissions; urban GHG emissions; urban policy complementarities

**Title:** From theory to practice: building more resilient communities in flood-prone areas

**Citation:** Environment and Urbanization April 2011 23: 229-249,

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**Abstract:** Enhancing community resilience is key to reducing vulnerability in the face of natural hazards. In this article, we discuss the elements that support or undermine community resilience to floods and propose ways of enhancing it. In the study, participatory methods and techniques were used with community members and emergency managers from a flood-prone municipality of Puerto Rico, including conceptual mapping, participatory mapping, and listing and ranking. The findings suggest that enhancing resilience in these communities requires: support for social learning by building on existing knowledge; stressing the importance of developing a diverse set of flood management options; and promoting effective linkages and collaborations between community members and emergency managers to encourage collective flood management. For this to happen, however, mutual distrust, lack of confidence and other obstacles must be overcome.

**Keywords:** Floods; flood management; participatory methods; Puerto Rico; resilience

**Title:** Urban wildscapes and green spaces in Mombasa and their potential contribution to climate change adaptation and mitigation

**Citation:** Environment and Urbanization April 2011 23: 251-265,

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Anna Lyth (School of Geography and Environmental Studies, Private Bag 78, University of Tasmania, Hobart, Tasmania 7001, Australia, [anna.lyth@utas.edu.au](mailto:anna.lyth@utas.edu.au))

**Abstract:** Well-planned urban green landscapes, including wildscapes and green spaces, have the potential to contribute to climate change adaptation and mitigation. Yet for cities in low-income countries, the value of these urban landscapes in climate change response strategies is often disregarded and remains largely unexploited and unaccounted for. This paper discusses the potential role of urban green landscapes as a “soft engineering” climate change response strategy, and calls for the pursuance of management practices that preserve and promote the use of these urban spaces. It does so by combining theoretical arguments with an empirical example based on an innovative and novel approach to landscape rehabilitation, the Lafarge Ecosystems Programme, in the coastal city of Mombasa, Kenya. The paper finds that a well-managed system of green landscapes in resource-poor urban areas can generate net social benefits under a range of future scenarios. It further finds that climate change adaptation and mitigation responses can be initiated by a range of stakeholders operating at all scales.

**Keywords:** climate change adaptation; green infrastructure; mitigation; Mombasa; urban ecosystems; wildscapes

**Title:** Housing, institutions, money: the failures and promise of human settlements policy and practice in South Africa

**Citation:** Environment and Urbanization April 2011 23: 267-275,

**doi:**10.1177/0956247810392272

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**Abstract:** This paper considers why the housing subsidy programme in South Africa has had so little impact on poverty reduction despite its scale and generous funding. It discusses how this was linked to the government’s conception of housing, the institutions involved and who controlled funding flows for housing. Most government funding went to contractors to build new units “for the poor”; it was assumed that these would replace homes in informal settlements that the poor developed themselves. Despite statements about the government’s commitment to the People’s Housing Process (PHP), informal settlements were only seen in negative terms and there was no support for incremental upgrading and very little support for low-income households to build their own homes. Meanwhile, the contractor-built houses were usually too small, of poor quality and in locations far from livelihoods and services. The paper ends with suggestions for how the formal institutions of government can learn to support and work with the poor. The incremental approaches of the poor to their own housing and livelihoods can serve as an alternative first principle for conceiving of the challenge of human settlements policy and practice. Furthermore, funding flows and their associated institutions should support people-centred development and institutionalize systems that make

the informed participation of residents of informal settlements a pre-condition for state support.

**Keywords:** community organization; housing subsidy; incremental upgrading; informality; participation; people-centred development

**Title:** Social inclusion in Mumbai: economics matters too

**Citation:** Environment and Urbanization April 2011 23: 277-284,

**doi:**10.1177/0956247811398585

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**Abstract:** This paper questions the accuracy and validity of the criticisms made by Ananya Roy regarding the approach to community development of a Mumbai-based NGO, SPARC, and its partner grassroots federations in Mumbai. This includes the suggestion that the focus on sanitation rather than on land tenure is an appeal to middle-class values about cleanliness and that their support for relocating those who lived right next to the railway tracks made them agents of the state. When viewed through a demand-responsive economic perspective, SPARC's support for community toilets was in response to what grassroots organizations asked for, and these also have high returns. Similarly, SPARC's support for resettlement for those living alongside the railway tracks was for those who were going to be moved, and this support allowed them to have far more influence on where, when and how the resettlement took place. Here too, the high returns from faster, safer trains meant cost savings that were higher than the costs of providing good quality accommodation for those who had to move.

**Keywords:** community development ; congested public goods ; NGO ; resettlement; sanitation; social inclusion; targeted subsidies

**Title:** Nexus between effective land management and housing delivery in Lagos

**Citation:** Environment and Urbanization April 2011 23: 285-303,

**doi:**10.1177/0956247810396988

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Chidinma Ajoku (Department of Estate Management, Faculty of Environmental Sciences, University of Lagos, Akoka, Nigeria)

**Abstract:** This paper examines the effectiveness of land administration in Lagos, with a particular focus on the practicality and impact of the 30-day "governor's consent" and "certificates of occupancy" procurement regime. This regime was introduced to facilitate land documentation and registration for housing delivery in the state. However, despite reducing the time required for processing and granting certificates of occupancy, this policy has not resulted in significantly increased applications nor has it had a significant effect on housing delivery in the state. In order to remedy this, the authors recommend large reductions in the charges made and other costs of the process (especially decentralization of the Land Registry and the use of updated technology).

**Keywords:** certificate of occupancy; housing; land management; site and service; tenure

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### Volume 62 Issue 1 March 2011

**Title:** SEMIFIELDS AS FREE MODULES

**Citation:** Q J Math (2011) 62(1): 1-6 first published online June 27, 2009

**doi:**10.1093/qmath/hap021

**Author(s):** Mashhour I. Al-Ali (Department of Mathematics, Zarqa Private University, Zarqa, Jordan )

**Abstract:** The aim of this paper is to prove that, if  $S$  is a finite semifield over a finite field, and  $E$  is an elementary abelian 2-group of automorphisms, then  $E$  acts freely on  $S$ . Moreover, if  $E$  acts freely of rank 1 and if  $S$  has even order, then  $|E| \leq 4$ .

**Title:** DIFFERENTIAL OPERATORS ON AN AFFINE CURVE: IDEAL CLASSES AND PICARD GROUPS

**Citation:** Q J Math (2011) 62(1): 7-19 first published online May 15, 2009

**doi:**10.1093/qmath/hap017

**Author(s):** Yuri Berest (Department of Mathematics, Cornell University, Ithaca, NY 14853, USA )

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**Abstract:** Let  $X$  be a smooth complex affine curve, and let  $\mathfrak{R}$  be the space of right ideal classes in the ring of differential operators on  $X$ . We introduce and study a fibration  $\gamma : \mathfrak{R} \rightarrow \text{Pic } X$ . We relate this fibration to the corresponding one in the classical limit, and derive an integer invariant  $n$  which indexes the decomposition of the fibres of  $\gamma$  into Calogero–Moser spaces. We also study the action of the group  $\text{Pic}$  on our fibration; and we explain how to define  $\gamma$  in the framework of the Grassmannian description of  $\mathfrak{R}$  due to Cannings and Holland.

**Title:** NON-COMMUTATIVE LOCALLY CONVEX MEASURES

**Citation:** Q J Math (2011) 62(1): 21-38 first published online June 2, 2009

**doi:**10.1093/qmath/hap018

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**Abstract:** We study weakly compact operators from a  $C^*$ -algebra with values in a complete locally convex space. They constitute a natural non-commutative generalization of finitely additive vector measures with values in a locally convex space. Several results of Brooks, Saïto and Wright are extended to this more general setting. Building on an approach due to Saïto and Wright, we obtain our theorems on non-commutative finitely additive measures with values in a locally convex space, from more general results on weakly compact operators defined on Banach spaces  $X$  whose strong dual  $X'$  is weakly sequentially complete. Weakly compact operators are also characterized by a continuity property for a certain 'Right topology' as in joint work by Peralta, Villanueva, Wright and Ylinen.

**Title:** APPROXIMATE AMENABILITY OF SCHATTEN CLASSES, LIPSCHITZ ALGEBRAS AND SECOND DUALS OF FOURIER ALGEBRAS

**Citation:** Q J Math (2011) 62(1): 39-58 first published online October 29, 2009  
**doi:**10.1093/qmath/hap034

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**Abstract:** Amenability of any of the algebras described in the title is known to force them to be finite-dimensional. The analogous problems for approximate amenability have been open for some years now. In this article we give a complete solution for the first two classes, using a new criterion for showing that certain Banach algebras without bounded approximate identities cannot be approximately amenable. The method also provides a unified approach to existing non-approximate amenability results, and is applied to the study of certain commutative Segal algebras. Using different techniques, we prove that bounded approximate amenability of the second dual of a Fourier algebra implies that it is finite-dimensional. Some other results for related algebras are obtained.

**Title:** H-CONTACT UNIT TANGENT SPHERE BUNDLES OF EINSTEIN MANIFOLDS

**Citation:** Q J Math (2011) 62(1): 59-69 first published online July 31, 2009  
**doi:**10.1093/qmath/hap025

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**Abstract:** We study the geometric properties of a base manifold whose unit tangent sphere bundle equipped with the standard contact metric structure is H-contact. We shall prove that a necessary and sufficient condition for the unit

tangent sphere bundle of an Einstein manifold to be H-contact is that the base manifold is 2-stein. As its applications, we give an explicit classification of such base manifolds in the special cases of irreducible symmetric spaces or of Kähler–Einstein manifolds with non-negative sectional curvature. Further, we provide examples illustrating the non-homogeneous situations in dimension four.

**Title:** SINGULAR DRESSING ACTIONS ON HARMONIC MAPS

**Citation:** Q J Math (2011) 62(1): 71-85 first published online July 11, 2009

**doi:**10.1093/qmath/hap022

**Author(s):** N. Correia and R. Pacheco (Departamento de Matemática, Universidade da Beira Interior, Rua Marquês d'Ávila e Bolama 6201-001 Covilhã, Portugal )

**Abstract:** In this paper we prove that any harmonic map  $\varphi$  from a two-sphere  $S^2$  into an arbitrary compact semisimple matrix Lie group  $G$  may be reduced to a constant by using the singular dressing actions introduced in (M. J. Bergvelt and M. A. Guest, Action of loop groups on harmonic maps, Trans. Amer. Math. Soc. 326 (1991), 861–886); this reduction induces a factorization of  $\varphi$  into flag factors  $S^2 \rightarrow G$ , and the singular dressing actions are produced from curves of simple factors (rational loops having a minimum number of singularities, whose dressing action can be computed explicitly) for  $G_{\mathbb{C}}$ . A version of this result for an arbitrary inner symmetric space  $G/K$  is established. We also prove generating theorems for the rational loops of the fundamental representations of  $Sp(n)_{\mathbb{C}}$  and  $SU(n)_{\mathbb{C}}$ : in both cases the class of generators is slightly larger than the class of simple factors.

**Title:** ANNIHILATORS OF PERMUTATION MODULES

**Citation:** Q J Math (2011) 62(1): 87-102 first published online June 4, 2009

**doi:**10.1093/qmath/hap020

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**Abstract:** Permutation modules are fundamental in the representation theory of symmetric groups  $S_n$  and their corresponding Iwahori–Hecke algebras  $\mathcal{H} = \mathcal{H}(S_n)$ . We find an explicit combinatorial basis for the annihilator of a permutation module in the ‘integral’ case—showing that it is a cell ideal in Murphy’s cell structure of  $\mathcal{H}$ . The same result holds whenever  $\mathcal{H}$  is semisimple, but may fail in the non-semisimple case.

**Title:** NON-KÄHLER SYMPLECTIC MANIFOLDS WITH TORIC SYMMETRIES

**Citation:** Q J Math (2011) 62(1): 103-114 first published online August 4, 2009  
**doi:**10.1093/qmath/hap024

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**Abstract:** Drawing on the classification of symplectic manifolds with coisotropic principal orbits by Duistermaat and Pelayo, in this note we exhibit families of compact symplectic manifolds, such that: (i) no two manifolds in a family are homotopically equivalent; (ii) each manifold in each family possesses Hamiltonian, and non-Hamiltonian, toric symmetries; (iii) each manifold has odd first Betti number and hence it is not a Kähler manifold. This can be viewed as an application of the aforementioned classification.

**Title:** BANACH-LIE ALGEBRAS WITH EXTREMAL ELEMENTS

**Citation:** Q J Math (2011) 62(1): 115-129 first published online October 14, 2009

**doi:**10.1093/qmath/hap032

**Author(s):** Antonio Fernández López (Departamento de Álgebra, Geometría y Topología, Universidad de Málaga, 29071, Málaga, Spain)

**Abstract:** In this paper strongly prime Banach-Lie algebras with extremal elements are described. They turn out to be natural extensions of the classical Banach-Lie algebras of compact operators on Hilbert spaces.

**Title:** ASYMPTOTICALLY CONICAL ASSOCIATIVE 3-FOLDS

**Citation:** Q J Math (2011) 62(1): 131-156 first published online November 12, 2009

**doi:**10.1093/qmath/hap036

**Author(s):** Jason D. Lotay (Mathematical Sciences Research Institute, 17 Gauss Way, Berkeley, CA 94720-5070, USA )

**Abstract:** Given an associative 3-fold  $N$  in  $\mathbb{R}^7$  which is asymptotically conical with generic rate  $\lambda < 1$ , we show that the moduli space of deformations of  $N$  is locally homeomorphic to the kernel of a smooth map between smooth manifolds. Moreover, the virtual dimension of the moduli space is computed and shown to be non-negative for  $\lambda > -1$ , whereas  $N$  is expected to be isolated for  $\lambda \leq -1$ .

**Title:** ON THE NUMBER OF SQUARES REPRESENTED BY A PRODUCT OF TWO TERNARY QUADRATIC FORMS

**Citation:** Q J Math (2011) 62(1): 157-171 first published online May 29, 2009

**doi:**10.1093/qmath/hap019

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**Abstract:** In the context of Manin's conjecture it is an important problem to estimate the number of times a ternary quartic form represents a square. In this paper we give good estimates for this counting problem when the quartic form is a product of two ternary quadratic forms.

**Title:** FIXED POINTS OF HOLOMORPHIC TRANSFORMATIONS OF OPERATOR BALLS

**Citation:** Q J Math (2011) 62(1): 173-187 first published online October 21, 2009

**doi:**10.1093/qmath/hap031

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**Abstract:** A new technique for proving fixed-point theorems for families of holomorphic transformations of operator balls is developed. One of these theorems is used to show that a bounded group representation in a real or complex Hilbert space is orthogonalizable or unitarizable (that is similar to an orthogonal or unitary representation), respectively, provided the representation has an invariant indefinite quadratic form with finitely many negative squares.

**Title:** UNIFORMLY CONVEX-TRANSITIVE FUNCTION SPACES

**Citation:** Q J Math (2011) 62(1): 189-205 first published online August 27, 2009

**doi:**10.1093/qmath/hap028

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**Abstract:** We introduce a property of Banach spaces, called uniform convex-transitivity, which falls between almost transitivity and convex transitivity. We will provide examples of uniformly convex-transitive spaces. This property behaves nicely in connection with some vector-valued function spaces. As a consequence, we obtain some new examples of convex-transitive Banach spaces.

**Title:** EXPONENTIAL SUMS WITH CONSECUTIVE MODULAR ROOTS OF AN INTEGER

**Citation:** Q J Math (2011) 62(1): 207-213 first published online July 11, 2009  
**doi:**10.1093/qmath/hap023

**Author(s):** Igor E. Shparlinski (Department of Computing, Macquarie University, Sydney, NSW 2109, Australia )

**Abstract:** J. Bourgain and the author have recently estimated exponential sums with consecutive modular roots  $g^{1/n} \pmod{p}$ , where  $g$  is of multiplicative order  $t \geq p^\varepsilon$  modulo a prime  $p$  (for some fixed  $\varepsilon > 0$ ) and  $n$  runs through the integers in the interval  $[M + 1, M + N]$  with  $\gcd(n, t) = 1$ . However, the saving in that bound against the trivial estimate has not been made explicit. It is shown here that for  $t \geq p^{1/2+\varepsilon}$  one can obtain a fully explicit bound for such exponential sums.

**Title:** THE TERNARY GOLDBACH PROBLEM WITH PRIMES FROM ARITHMETIC PROGRESSIONS

**Citation:** Q J Math (2011) 62(1): 215-221 first published online August 18, 2009

**doi:**10.1093/qmath/hap027

**Author(s):** D. I. Tolev (Faculty of Mathematics and Informatics, Sofia University "St. Kl. Ohridsky", 5 J.Bourchier, 1164 Sofia, Bulgaria )

**Abstract:** We establish Bombieri-Vinogradov's type result for the number of solutions of the ternary Goldbach problem with primes from arithmetic progressions.

**Title:** AFFINE HALL-LITTLEWOOD FUNCTIONS FOR  $A^{(1)}_1$  AND SOME CONSTANT TERM IDENTITIES OF CHEREDNIK-MACDONALD-MEHTA TYPE

**Citation:** Q J Math (2011) 62(1): 223-233 first published online November 2, 2009

**doi:**10.1093/qmath/hap035

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**Abstract:** We study  $t$ -analogs of string functions for integrable highest weight representations of the affine Kac-Moody algebra  $A^{(1)}_1$ . We obtain closed form formulas for certain  $t$ -string functions of levels 2 and 4. As corollaries, we obtain explicit identities for the corresponding affine Hall-Littlewood functions, as well as higher level generalizations of Cherednik's Macdonald and Macdonald-Mehta constant term identities.

**Title:** UNIVERSAL INEQUALITIES FOR EIGENVALUES OF THE VIBRATION PROBLEM FOR A CLAMPED PLATE ON RIEMANNIAN MANIFOLDS

**Citation:** Q J Math (2011) 62(1): 235-258 first published online September 4, 2009

**doi:**10.1093/qmath/hap026

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**Abstract:** Eigenvalues of the vibration problem for a clamped plate on compact Riemannian manifolds with boundary (possibly empty) are studied. Universal bounds on eigenvalues of the vibration problem for a clamped plate on compact domains in a complex projective space, a minimal submanifold of a Euclidean space or of a unit sphere are obtained and in particular, an explicit upper bound for the  $(k + 1)$ th eigenvalue of the vibration problem for a clamped plate on such objects in terms of its first  $k$  eigenvalues will be given.

## Volume 62 Issue 2 June 2011

**Title:** HARMONIC SECTIONS OF TANGENT BUNDLES EQUIPPED WITH RIEMANNIAN  $g$ -NATURAL METRICS

**Citation:** Q J Math (2011) 62(2): 259-288 first published online January 28, 2010

**doi:**10.1093/qmath/hap040

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G. Calvaruso<sup>‡</sup> and D. Perrone (Dipartimento di Matematica "E. De Giorgi", Università del Salento, Lecce, Italy )

**Abstract:** Let  $(M, g)$  be a Riemannian manifold. When  $M$  is compact and the tangent bundle  $TM$  is equipped with the Sasaki metric  $g^s$ , the only vector fields that define harmonic maps from  $(M, g)$  to  $(TM, g^s)$  are the parallel ones. The Sasaki metric and other well-known Riemannian metrics on  $TM$  are particular examples of  $g$ -natural metrics. We equip  $TM$  with an arbitrary Riemannian  $g$ -natural metric  $G$  and investigate the harmonicity of a vector field  $V$  of  $M$ , thought as a map from  $(M, g)$  to  $(TM, G)$ . We then apply this study to the Reeb vector field of a contact metric manifold and, in particular, to Hopf vector fields on odd-dimensional spheres.

**Title:** SPARSE VARIANCE FOR PRIMES IN ARITHMETIC PROGRESSION

**Citation:** Q J Math (2011) 62(2): 289-305 first published online September 18, 2009

**doi:**10.1093/qmath/hap029

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T. D. Wooley (School of Mathematics, University of Bristol, University Walk, Clifton, Bristol BS8 1TW, UK)

**Abstract:** An analogue of the Montgomery–Hooley asymptotic formula is established for the variance of the number of primes in arithmetic progressions, in which the moduli are restricted to the values of a polynomial.

**Title:** AN EXTENSION TO THE BRUN–TITCHMARSH THEOREM

**Citation:** Q J Math (2011) 62(2): 307-322 first published online January 27, 2010

**doi:**10.1093/qmath/hap045

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Abstract

The Siegel-Walfisz theorem states that for any  $B > 0$ , we have

$$\sum_{\substack{p \leq x \\ p \equiv a \pmod{k}}} 1 \sim \frac{x}{\varphi(k) \log x}$$

for  $k \leq \log^B x$  and  $(k, a) = 1$ . This only gives an asymptotic formula for the number of primes over an arithmetic progression for quite small moduli  $k$  compared with  $x$ . However, if we are only concerned about upper bound, we have the Brun-Titchmarsh theorem, namely for any  $1 \leq k < x$ ,

$$\sum_{\substack{p \leq x \\ p \equiv a \pmod{k}}} 1 \ll \frac{x}{\varphi(k) \log(x/k)}.$$

In this article, we prove an extension to the Brun-Titchmarsh theorem on the number of integers, with at most  $s$  prime factors, in an arithmetic progression, namely

$$\sum_{\substack{y < n \leq x+y \\ n \equiv a \pmod{k} \\ \omega(n) \leq s}} 1 \ll \frac{x}{\varphi(k) \log(x/k)} \sum_{\ell=0}^{s-1} \frac{(\log \log(x/k) + K)^\ell}{\ell!}$$

for any  $x, y > 0$ ,  $s \geq 1$  and  $1 \leq k < x$ .

In particular, for  $s \leq \log \log(x/k)$ , we have

$$\sum_{\substack{y < n \leq x+y \\ n \equiv a \pmod{k} \\ \omega(n) \leq s}} 1 \ll \frac{x}{\varphi(k) \log(x/k)} \frac{(\log \log(x/k) + K)^{s-1}}{(s-1)!}$$

$$\sqrt{\log \log(x/k) + K}$$

and for any  $\epsilon \in (0, 1)$  and  $s \leq (1 - \epsilon) \log \log(x/k)$ , we have

$$\sum_{\substack{y < n \leq x+y \\ n \equiv a \pmod{k} \\ \omega(n) \leq s}} 1 \ll \frac{\epsilon^{-1} x}{\varphi(k) \log(x/k)} \frac{(\log \log(x/k) + K)^{s-1}}{(s-1)!}.$$

**Title:** EXPLICIT BOUNDS ON MONOMIAL AND BINOMIAL EXPONENTIAL SUMS

**Citation:** Q J Math (2011) 62(2): 323-349 first published online November 26, 2009

**doi:**10.1093/qmath/hap041

**Author(s):** Todd Cochrane and Christopher Pinner (Department of Mathematics, Kansas State University, Manhattan, KS 66506, USA)

**Abstract**

Let  $p$  be a prime and  $e_p(\cdot) = e^{2\pi i \cdot / p}$ . First, we make explicit the monomial sum bounds of Heath-Brown and Konyagin:

$$\left| \sum_{x=1}^{p-1} e_p(ax^d) \right| \leq \min\{\lambda d^{5/8} p^{5/8}, \lambda d^{3/8} p^{3/4}\},$$

where  $\lambda = 2/\sqrt[4]{3} = 1.51967\dots$ . Second, letting  $d = (k, l, p-1)$ , we obtain the explicit binomial sum bound

$$\left| \sum_{x=1}^{p-1} e_p(ax^k + bx^l) \right| \leq (k-l, p-1) + 2.292 d^{13/46} p^{89/92},$$

for any non-constant binomial  $ax^k + bx^l$  on  $\mathbb{Z}_p$ , by sharpening the estimate for the number of solutions of the system  $x_1^k + x_2^k = x_3^k + x_4^k$  and  $x_1^l + x_2^l = x_3^l + x_4^l$ .

Finally, we apply the latter estimate to establish the Goresky-Klapper conjecture on the decimation of  $\ell$ -sequences for  $p > 4.92 \times 10^{34}$ .

**Title:** RIGIDITY OF CONFIGURATIONS OF BALLS AND POINTS IN THE N-SPHERE

**Citation:** Q J Math (2011) 62(2): 351-362 first published online January 29, 2010

**doi:**10.1093/qmath/hap044

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Ian Short (Department of Pure Mathematics and Mathematical Statistics, Centre for Mathematical Sciences, Wilberforce Road, Cambridge CB3 0WB, UK)

**Abstract:** We answer two questions of Beardon and Minda which arose from their study of the conformal symmetries of circular regions in the complex plane. We show that a configuration of closed balls in the  $N$ -sphere is determined up to Möbius transformations by the signed inversive distances between pairs of its elements, except when the boundaries of the balls have a point in common, and that a configuration of points in the  $N$ -sphere is determined up to Möbius transformations by the absolute cross-ratios of 4-tuples of its elements. The proofs use the hyperboloid model of hyperbolic  $(N + 1)$ -space.

**Title:** NONCOMPACTNESS AND MAXIMUM MOBILITY OF TYPE III RICCI-FLAT SELF-DUAL NEUTRAL WALKER FOUR-MANIFOLDS

**Citation:** Q J Math (2011) 62(2): 363-395 first published online November 22, 2009

**doi:**10.1093/qmath/hap033

**Author(s):** Andrzej Derdzinski (Department of Mathematics, The Ohio State University, Columbus, OH 43210, USA )

**Abstract:** It is shown that a self-dual neutral Einstein four-manifold of Petrov type III, admitting a two-dimensional null parallel distribution compatible with the orientation, cannot be compact or locally homogeneous, and its maximum possible degree of mobility is 3. Díaz-Ramos, García-Río and Vázquez-Lorenzo found a general coordinate form of such manifolds. The present paper also provides a modified version of that coordinate form, valid in a suitably defined generic case and, in a sense, 'more canonical' than the usual formulation. Moreover, the local-isometry types of manifolds as above having the degree of mobility equal to 3 are classified. Further results consist in explicit descriptions, first, of the kernel and image of the Killing operator for any torsionfree surface connection with everywhere-nonzero, skew-symmetric Ricci tensor, and, secondly, of a moduli curve for surface connections with the properties just mentioned that are, in addition, locally homogeneous. Finally, hyperbolic plane geometry is used to exhibit examples of codimension-two foliations on compact manifolds of dimensions greater than 2 admitting a transversal torsion-free connection, the Ricci tensor of which is skew-symmetric and nonzero everywhere. No such connection exists on any closed surface, so that there are no analogous examples in dimension 2.

**Title:** A VOLUME FUNCTION FOR SPHERICAL CR TETRAHEDRA

**Citation:** Q J Math (2011) 62(2): 397-415 first published online November 29, 2009

**doi:**10.1093/qmath/hap039

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### Abstract

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We define a volume function on configurations of four points in the sphere  $S^3$  which is invariant under the action of  $PU(2, 1)$ , the automorphism group of the CR structure defined on  $S^3$  by its embedding in  $\mathbb{C}^2$ . We show that the volume function, constructed using appropriate combinations of the dilogarithm function of Bloch–Wigner, satisfies a five–term relation in a more general context which includes at the same time CR and real hyperbolic geometry.

**Title:** DOUBLOONS AND NEW Q-TANGENT NUMBERS

**Citation:** Q J Math (2011) 62(2): 417-432 first published online December 19, 2009

**doi:**10.1093/qmath/hap043

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**Abstract:** We introduce new q-tangent numbers based on the Carlitz q-analog of the Eulerian polynomial and the so-called doubloon combinatorial set-up. Those new q-tangent numbers are polynomials with positive integral coefficients. They are divisible by products of binomials of the form  $1 + q^i$ . The quotients being q-analogs of the reduced tangent numbers having an explicit combinatorial interpretation.

**Title:** ON CASSON-TYPE INSTANTON MODULI SPACES OVER NEGATIVE DEFINITE 4-MANIFOLDS

**Citation:** Q J Math (2011) 62(2): 433-450 first published online January 13, 2010

**doi:**10.1093/qmath/hap042

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### Abstract

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Recently Andrei Teleman considered instanton moduli spaces over negative definite 4-manifolds  $X$  with  $b_2(X) \geq 1$ . If  $b_2(X)$  is divisible by four and  $b_1(X) = 1$  a gauge-theoretic invariant can be defined; it is a count of flat connections modulo the gauge group. Our first result shows that if such a moduli space is non-empty and the manifold admits a connected sum decomposition  $X \cong X_1 \# X_2$ , then both  $b_2(X_1)$  and  $b_2(X_2)$  are divisible by four; this rules out a previously naturally appearing source of 4-manifolds with non-empty moduli space. We give in some detail a construction of negative definite 4-manifolds which we expect will eventually provide examples of manifolds with non-empty moduli space.

**Title:** MASAS AND BIMODULE DECOMPOSITIONS OF  $II_1$  FACTORS

**Citation:** *Q J Math* (2011) 62(2): 451-486 first published online November 26, 2009

**doi:**10.1093/qmath/hap038

**Author(s):** Kunal Mukherjee (Department of Mathematics, Texas A&M University, College Station TX 77843-3368, USA )

**Abstract:** The measure-multiplicity invariant of masas in  $II_1$  factors was introduced by Dykema, Smith and Sinclair to distinguish masas that have the same Pukánszky invariant. In this paper, we study the measure class in the measure-multiplicity invariant. This is equivalent to studying the standard Hilbert space as an associated bimodule. We characterize the type of any masa depending on the measure class. We present a proof of Chifan's normalizer theorem and a measure theoretic proof of the equivalence of weak asymptotic homomorphism property and singularity.

**Title:** HOMOLOGICAL DIMENSIONS OF KÖTHER ALGEBRAS

**Citation:** *Q J Math* (2011) 62(2): 487-499 first published online November 15, 2009

**doi:**10.1093/qmath/hap037

**Author(s):** A. Yu. Pirkovskii (Department of Geometry and Topology, Faculty of Mathematics, National Research University "Higher School of Economics", Vavilova, 117312 Moscow, Russia )

**Abstract:** Given a metrizable Köthe algebra  $\lambda(P)$ , we compute the global dimension, the weak global dimension, the bidimension and the weak bidimension of  $\lambda(P)$  in terms of the Köthe set  $P$ .

**Title:** LINEAR GROUPS WITH ALL SUBGROUPS PROFINITELY CLOSED

**Citation:** *Q J Math* (2011) 62(2): 501-512 first published online February 25, 2010

**doi:**10.1093/qmath/haq004

**Author(s):** B. A. F. Wehrfritz (School of Mathematical Sciences, Queen Mary University of London, Mile End Road, London E1 4NS, UK )

**Abstract:** We characterize completely groups of matrices over commutative fields all of whose subgroups are closed in the profinite topology.

## Volume 62 Issue 3 September 2011

**Title:** APPROXIMATE GROUPS, II: THE SOLVABLE LINEAR CASE

**Citation:** *Q J Math* (2011) 62(3): 513-521 first published online April 20, 2010

**doi:**10.1093/qmath/haq011

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Ben Green (Centre for Mathematical Sciences, Wilberforce Road,  
Cambridge CB3 0WA, UK )

**Abstract:** We describe the structure of 'K-approximate subgroups' of solvable subgroups of  $GL_n(\mathbb{C})$ , showing that they have a large nilpotent piece. By combining this with the main result of our recent paper on approximate subgroups of torsion-free nilpotent groups (E. Breuillard and B. J. Green, Approximate groups, I: the torsion-free nilpotent case, J. Inst. Math. Jussieu, to appear), we show that such approximate subgroups are efficiently controlled by nilpotent progressions.

**Title:** JØRGENSEN'S INEQUALITY AND COLLARS IN  $n$ -DIMENSIONAL QUATERNIONIC HYPERBOLIC SPACE

**Citation:** *Q J Math* (2011) 62(3): 523-543 first published online April 14, 2010  
**doi:**10.1093/qmath/haq003

**Author(s):** Wensheng Cao (Department of Mathematics, Wuyi University, Jiangmen, Guangdong 529020, P.R. China )

John R. Parker (Department of Mathematical Sciences, Durham University, Durham DH1 3LE, UK )

**Abstract:** In this paper, we obtain analogues of Jørgensen's inequality for non-elementary groups of isometries of quaternionic hyperbolic  $n$ -space generated by two elements, one of which is loxodromic. Our result gives some improvement over earlier results of Kim and Markham. These results also apply to complex hyperbolic space and give improvements on results of Jiang, Kamiya and Parker. As applications, we use the quaternionic version of Jørgensen's inequalities to construct embedded collars about short, simple, closed geodesics in quaternionic hyperbolic manifolds. We show that these canonical collars are disjoint from each other. Our results give some improvement over earlier results of Markham and Parker and answer an open question that they posed.

**Title:** ON THE CORRELATION OF SHIFTED VALUES OF THE RIEMANN ZETA FUNCTION

**Citation:** *Q J Math* (2011) 62(3): 545-572 first published online March 21, 2010  
**doi:**10.1093/qmath/haq008

**Author(s):** Vorrapan Chandee (Department of Mathematics, Stanford University, Stanford, CA 94305, USA)

#### Abstract

In 2007, assuming the Riemann hypothesis, Soundararajan (Moments of the Riemann zeta-function, *Ann. Math.*, 170 (2009) 981-993) proved that  $\int_0^T |\zeta(\frac{1}{2} + it)|^{2k} dt \ll_{k, \epsilon} T(\log T)^{k^2 + \epsilon}$  for every positive real number  $k$  and every  $\epsilon > 0$ . In this paper, we generalize his methods to find upper bounds for shifted moments. We also obtained their lower bounds and conjectured asymptotic formulae based on the random matrix model, which is analogous to Keating and Snaith's work. These upper and lower bounds suggest that the correlation of  $|\zeta(\frac{1}{2} + it + i\alpha_1)|$  and  $|\zeta(\frac{1}{2} + it + i\alpha_2)|$  transition at  $|\alpha_1 - \alpha_2| \approx 1/\log T$ . In particular, these distributions appear to be independent when  $|\alpha_1 - \alpha_2|$  is much larger than  $1/\log T$ .

**Title:** THE SPECIAL MCKAY CORRESPONDENCE AS AN EQUIVALENCE OF DERIVED CATEGORIES

**Citation:** *Q J Math* (2011) 62(3): 573-591 first published online March 18, 2010

**doi:**10.1093/qmath/haq006

**Author(s):** Alastair Craw (Department of Mathematics, Glasgow University, Glasgow G12 8QW, UK )

**Abstract:** We give a new moduli construction of the minimal resolution of the singularity of type  $1/r;(1, a)$  by introducing the Special McKay quiver. To demonstrate that our construction trumps that of the G-Hilbert scheme, we show that the induced tautological line bundles freely generate the bounded derived category of coherent sheaves on  $X$  by establishing a suitable derived equivalence. This gives a moduli construction of the Special McKay correspondence for abelian subgroups of  $GL(2)$ .

**Title:** ON UNBRANCHED NON-NORMAL DEGREE FOUR COVERINGS OF HYPERELLIPTIC RIEMANN SURFACES

**Citation:** *Q J Math* (2011) 62(3): 593-605 first published online May 26, 2010

**doi:**10.1093/qmath/haq017

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**Abstract:** The number of unramified normal coverings of a closed Riemann surface  $C$  with groups of covering transformations isomorphic to  $\mathbb{Z}_2^2$  or  $\mathbb{Z}_2$  is well known. If  $C$  is hyperelliptic, then Horiouchi has given the explicit algebraic equations of the subset of those covers which turn out to be hyperelliptic themselves and, recently, González-Diez and the first author have obtained the remaining ones for both cases. In this paper, we obtain the algebraic equations for all unbranched degree four coverings of a hyperelliptic Riemann surface with monodromy group isomorphic to the dihedral group  $D_4$  and such that the hyperelliptic involution lifts to the covering. As an immediate application we obtain examples of curves whose field of moduli is  $\mathbb{Q}$  but they can not be defined over  $\mathbb{Q}$ . The examples in this paper can be defined over a real quadratic extension of  $\mathbb{Q}$ .

**Title:** THE CYCLIC AND SIMPLICIAL COHOMOLOGY OF THE BICYCLIC SEMIGROUP ALGEBRA

**Citation:** *Q J Math* (2011) 62(3): 607-624 first published online April 26, 2010

**doi:**10.1093/qmath/haq014

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Michael C. White (School of Mathematics and Statistics, Newcastle University, Newcastle-upon-Tyne NE1 7RU, UK)

## Abstract

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Let  $\square = \ell^1(\mathcal{B})$  be the semigroup algebra of  $\mathcal{B}$ , the bicyclic semigroup. We give a resolution of  $\ell^\infty(\mathcal{B})$  which simplifies the computation of the cohomology of  $\ell^1(\mathcal{B})$  dual bimodules. We apply this to the dual module  $\ell^\infty(\mathcal{B})$  and show that the simplicial cohomology groups  $\mathcal{H}^n(\square, \square')$  vanish for  $n \geq 2$ . Using the Connes-Tzygan exact sequence, these results are used to show that the cyclic cohomology groups  $\mathcal{H}^n(\square, \square')$  vanish when  $n$  is odd and are one-dimensional when  $n$  is even ( $n \geq 2$ ).

**Title:** KING ARTHUR AND HIS KNIGHTS WITH TWO ROUND TABLES

**Citation:** *Q J Math* (2011) 62(3): 625-635 first published online March 23, 2010

**doi:** 10.1093/qmath/haq005

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C. L. Spencer§ (Department of Mathematics, University of Reading, Whiteknights, Reading RG6 6AX, UK )

**Abstract:** A graph  $G$  is  $r$ -starred if, for some  $v \in V(G)$ , a largest pairwise intersecting family of independent  $r$ -subsets of  $V(G)$  may be obtained by taking all such subsets containing  $v$  (the  $r$ -star at  $v$ ). Let  $G$  be the disjoint union of powers of cycles; Hilton and Spencer have studied the problem of determining the values of  $r$  for which  $G$  is  $r$ -starred. They conjectured that the property holds for all  $r$ , and made a weaker conjecture that this is so for the union of just two cycles. In this paper we prove the second conjecture, showing also that if  $G$  is the union of several graphs, each a power of a cycle, then  $G$  is  $\alpha$ -starred (where  $\alpha$  is the independence number of  $G$ ), provided that there is a homomorphism from some component of  $G$  to each of the other components.

**Title:** ON CERTAIN MEAN VALUES AND THE VALUE-DISTRIBUTION OF LOGARITHMS OF DIRICHLET  $L$ -FUNCTIONS

**Citation:** *Q J Math* (2011) 62(3): 637-677 first published online February 19, 2010

**doi:** 10.1093/qmath/haq002

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**Abstract:** We study the value-distribution of Dirichlet  $L$ -functions  $L(s, \chi)$  in the half-plane  $\sigma = \Re s > 1/2$ . The main result is that a certain average related to the logarithm of  $L(s, \chi)$  with respect to  $\chi$ , or of the Riemann zeta-function  $\zeta(s)$  with respect to  $\Re s$ , can be expressed as an integral involving a density function, which depends only on  $\sigma$  and can be explicitly constructed. Several mean-value estimates on  $L$ -functions are essentially used in the proof in the case  $1/2 < \sigma \leq 1$ .

**Title:** THE DUNFORD-PETTIS PROPERTY FOR FIXED-POINT ALGEBRAS AND  $C^*$ -CROSSED PRODUCTS OF  $C^*$ -ALGEBRAS BY FINITE GROUPS

**Citation:** *Q J Math* (2011) 62(3): 679-685 first published online April 26, 2010

**doi:** 10.1093/qmath/haq016

**Author(s):** Masaharu Kusuda (Department of Mathematics, Faculty of Engineering Science, Kansai University, Suita, Osaka 564-8680, Japan )

**Abstract**

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Let  $(A, G, \alpha)$  be a  $C^*$ -dynamical system. Suppose that  $G$  is a finite group. Then it is shown that the fixed-point algebra  $A^\alpha$  under  $\alpha$  has the Dunford-Pettis property if and only if the  $C^*$ -crossed product  $A \rtimes_\alpha G$  does so. Furthermore, for a  $C^*$ -algebra  $A$  with a coaction  $\delta$  of a finite group  $G$ , it is also shown that the fixed-point algebra  $A^\delta$  under  $\delta$  has the Dunford-Pettis property if and only if the crossed product  $A \rtimes_\delta G$  does so.

**Title:** SUMS OF FOURIER COEFFICIENTS OF CUSP FORMS

**Citation:** *Q J Math* (2011) 62(3): 687-716 first published online April 26, 2010

**doi:** 10.1093/qmath/haq012

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Guangshi Lü (Department of Mathematics, Shandong University, Jinan Shandong, 250100, China )

**Abstract**

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Let  $t_\phi(n)$  denote the  $n$ th normalized Fourier coefficient of a primitive holomorphic or Maass cusp form  $\phi$  for the full modular group  $SL(2, \mathbb{Z})$ . In this paper, we are concerned with the upper bound and omega results for the summatory function

$$\sum_{n \leq x} t_\phi(n^j).$$

Asymptotic formulae for high power moments of  $t_\phi(n)$  are (conditionally) established.

**Title:** THE ROLE OF CORE FUNCTIONS IN SEMILINEAR ELLIPTIC PROBLEMS

**Citation:** *Q J Math* (2011) 62(3): 717-735 first published online April 27, 2010

**doi:** 10.1093/qmath/haq015

**Author(s):** Martin Schechter (Department of Mathematics, University of California, Irvine, CA 92697-3875, USA)

**Abstract:** We show that the core function plays an important role in solving boundary value problems for semilinear elliptic equations.

**Title:** SOME GLOBAL MINIMIZERS OF A SYMPLECTIC DIRICHLET ENERGY

**Citation:** *Q J Math* (2011) 62(3): 737-745 first published online April 23, 2010

**doi:** 10.1093/qmath/haq013

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#### Abstract

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The variational problem for the functional  $F = \frac{1}{2} \int_M \|\phi^* \omega\|^2$  is considered, where  $\phi: (M, g) \rightarrow (N, \omega)$  maps a Riemannian manifold to a symplectic manifold. This functional arises in theoretical physics as the strong coupling limit of the Faddeev-Hopf energy, and may be regarded as a symplectic analogue of the Dirichlet energy familiar from harmonic map theory. The Hopf fibration  $\pi: S^3 \rightarrow S^2$  is known to be a locally stable critical point of  $F$ . It is proved here that  $\pi$  in fact minimizes  $F$  in its homotopy class and this result is extended to the case where  $S^3$  is given the metric of the Berger's sphere. It is proved that if  $\phi^* \omega$  is coclosed,  $F$  is in its homotopy class. If  $M$  is a compact Riemann surface, it is proved that every critical point of  $F$  has  $\phi^* \omega$  coclosed. A family of holomorphic homogeneous projections into Hermitian symmetric spaces is constructed and it is proved that these too minimize  $F$  in their homotopy class.

**Title:** SUFFICIENT CONDITIONS FOR WEIGHTED ADMISSIBILITY OF OPERATORS WITH APPLICATIONS TO CARLESON MEASURES AND MULTIPLIERS

**Citation:** *Q J Math* (2011) 62(3): 747-770 first published online March 12, 2010

**doi:** 10.1093/qmath/haq007

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#### Abstract

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Sufficient conditions are given for discrete weighted admissibility of operators. However, counterexamples are given to show that these conditions are sharp. As a consequence of the sufficient conditions for weighted admissibility, sufficient new conditions are provided for a measure to be a Carleson measure for the weighted Dirichlet spaces  $\mathcal{D}_{\alpha(\square)}^2$  or for the classical Dirichlet space. Additionally, conditions are given for an analytic function to be a multiplier on  $\mathcal{D}_{\alpha(\square)}^2$  or a multiplier from the Hardy space  $H^2(\square)$  to a weighted Bergman space  $\mathcal{A}_{\alpha(\square)}^2$ .

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