

中国联合国教科文组织指导刊物

ISSN 1004-9894

全国中文核心期刊

CN 12-1194/G4

中国科技核心期刊

RCCSE 中国核心学术期刊 (A)

刊名题字: 苏步青

数学教育学报

SHUXUE JIAOYU XUEBAO

JOURNAL OF MATHEMATICS EDUCATION

ЖУРНАЛ МАТЕМАТИЧЕСКОГО ОБРАЗОВАНИЯ

天津师范大学
中国教育学会
主办

2013. 1

第22卷 第1期 Vol.22 No.1

ISSN 1009-3877



万方数据

目次

数学教育概论

- 《数学课程标准(2011)》的“另类解读” 郑毓信(1)
- 论数学欣赏的“含义”“对象”与“功能”——数学教育中的数学欣赏问题 黄秦安, 刘达卓, 聂晓颖(8)
- 试论数学文化视域中的数学学习 徐文彬(13)
- HPM与初中数学教师的专业发展——一个上海的案例 汪晓勤(18)
- 数学专业师范生MPCK发展“五步曲” 李 渺(23)
- 分数概念的个体建构——起点与机制及影响因素 张 皖, 辛自强(27)
- 论一种缘自认知心理学及教育学研究的数学认知过程 王名扬, 徐沥泉, 徐利治(33)

调查与实验

- 专家型教师数学课堂教学隐喻语言应用研究 叶立军, 斯海霞(37)
- 大学生对微分概念的理解及认知方式分析 高雪芬, 鲍建生(40)
- 甘肃哈萨克族和蒙古族六年级学生数感差异研究 范忠雄, 马少仙, 王锦莉(44)
- 大学文科数学教学的现状与对策 何 穗, 胡典顺, 李书刚(47)
- 初中生数学自我概念对数学成就影响机制的研究 梁好翠(51)

比较数学教育

- 美国数学教师学科知识评价方法的述评 黄兴丰, 马云鹏(55)
- 述评美国高中数学焦点 廖运章(61)
- 云南德宏傣族服饰中的数学文化 申玉红, 杨启祥, 周长军(66)

数学教育改革

- 同课异构 精彩纷呈 视频研究 促进发展——对“直线与圆的位置关系”公开课视频的点评 袁智斌(70)
- 数学课堂教学立意的“层次”“关系”及“提升”——由“完全平方公式”同课异构引发的思考 石树伟(74)
- 基于学生发展的教科书编写与使用 于 波(77)
- 基于研究性学习的数学分析教学实践 葛仁福(80)
- 极限概念教学的系统分析 付夕联, 张玉峰(83)
- 寻找历史与教学的最佳融合——国际HPM 2012会议及其研究分析 蒲淑萍(89)
- 眼动分析法在数学应用题解题研究中的应用 岳宝霞, 冯 虹(93)

争鸣与评论

- 《数学教育学报》内涵新解析 张定强, 陈国葵(96)
- 从尺规作图看古希腊数学观及其对教育的启示 向 坤, 宁连华(100)

JOURNAL OF MATHEMATICS EDUCATION

Vol.22 No.1 Feb. 2013

CONTENTS

Different Explanation of China's <i>Curriculum Standards for Mathematics (2011)</i>	ZHENG Yu-xin (1)
On the Meaning, Object and Function of Mathematics Appreciation——Mathematics Appreciation in Mathematics Education HUANG Qin-an, LIU Da-zhuo, NIE Xiao-ying (8)
On Mathematics Learning in the View of Mathematical Culture	XU Wen-bin (13)
Teacher's Professional Development Promoted by HPM——the Case of a Junior High School Mathematics Teacher in Shanghai WANG Xiao-qin (18)
Study about Five-steps in Mathematics Student Teachers' Professional Development in University.....	LI Miao (23)
Personal Construction of Fraction Concepts——It's Basis, Mechanism and Correlates.....	ZHANG Huan, XIN Zi-qiang (27)
Talk on a Kind of Mathematical Cognitive Process Related to Cognitive Psychology and Educational Studies WANG Ming-yang, XU Li-quan, XU Li-zhi (33)
Study of Metaphors of Expert Teachers in Mathematics Classroom	YE Li-jun, SI Hai-xia (37)
Analysis on Undergraduates' Understandings and Cognitive Manners of Differential.....	GAO Xue-fen, BAO Jian-sheng (40)
Survey into Number Sense of Grade Six Kazak and Mongolian Primary Students under Multilingual and Multicultural Background FAN Zhong-xiong, MA Shao-xian, WANG Jin-li (44)
Present Situation and Countermeasures of Mathematics Teaching in University of Liberal Arts HE Sui, HU Dian-shun, LI Shu-gang (47)
Study on the Effect of Mathematics Self-concept on Mathematics Achievement.....	LIANG Hao-cui (51)
Review on the Assessment Methods on Mathematics Teacher's Subject Matter Knowledge in America..... HUANG Xing-feng, MA Yun-peng (55)
Review on Focus in High School Mathematics in America	LIAO Yun-zhang (61)
Mathematical Culture of Dehong Dai Dress in Yunnan Province.....	SHEN Yu-hong, YANG Qi-xiang, ZHOU Chang-jun (66)
Research on Video Promotes the Development of Teaching on Different Structures Make One Class Brilliant.....	YUAN Zhi-bin (70)
Levels, Relation and Promotion in Classroom Mathematics Teaching Conceptions——a Thinking Triggered by Same Class Isomerism of Perfect Square Formula.....	SHI Shu-wei (74)
Based on Students' Development of Use and Compilation of Textbook——Discussing the Function Orientation of Primary School Mathematics Textbook of Southwest Normal University Edition Concurrently.....	YU Bo (77)
Teaching Practice of Mathematical Analysis Based on Research Study	GE Ren-fu (80)
Systematical Analysis to Teaching Limit Concept	FU Xi-lian, ZHANG Yu-feng (83)
Looking for the Best Way of Integrating History of Mathematics into Mathematical Teaching.....	PU Shu-ping (89)
Review of the Eye Movements Studies in Mathematics Word Problem Solving.....	YUE Bao-xia, FENG Hong (93)
New Analysis on the Connotation in <i>Journal of Mathematics Education</i>	ZHANG Ding-qiang, CHEN Guo-rui (96)
Ancient Greeks' View on Mathematics and Its Inspiration on Education: from Construction with Ruler and Compasses XIANG Kun, NING Lian-hua (100)