

Journal of Mathematics Education

Section on Theory and Practice

1. Influences on Affect and Achievement: High School Students' Epistemological Beliefs about Mathematics
Chunmei Xiao, Ping Yu, & Lizhou Yan
- 12 Investigation and Analysis of Mathematics Anxiety in Middle School Students
Xinbing Luo, Fengkui Wang, & Zengru Luo

Section on Teaching, Learning and Curriculum

- 20 Middle Grade Teachers' Use of Textbooks and Their Classroom Instruction
Ye Sun, Gerald Kulm, & Mary Margaret Capraro
- 38 How to Prevent from Regarding Mathematics as Algorithm: A Study on the Beliefs of Mathematics Learning by Clinical Interview
Shenghua Lu
- 52 A Comparative Study on Junior High School Students' Proof Conceptions in Algebra between Taiwan and the UK
Erhtsung Chin & Foulai Lin
- 68 Individual Differences in Distribution Strategy of the Working Memory Resources during Space Geometry
Xiaodan Wang, Siqing Lian, & Yujing Sun
- 80 A Study of Children's Spatial Reasoning and Quantitative Reasoning Abilities
Zhong Tian & Xingfeng Huang

Section on Technology

- 94 The Impact of Using Geometers' Sketchpad on Malaysian Students' Achievement and Van Hiele Geometric Thinking
Noraini Idris
- 108 Taiwanese Elementary School Teachers Apply Web-based Virtual Manipulatives to Teach Mathematics
Yuan Yuan

Section on Case Studies

- 122 Case Study on Improving High School Students with Learning Difficulties in Mathematics
Guangming Wang, Huimin Du, & Yanyun Liu
- 134 Integration of graphing calculator in Mathematics Teaching in china
Lijun Ye

Section on Commentary

- 147 Characteristics of Effective Teaching of Mathematics: A View from the West
Glenda Anthony & Margaret Walshaw