


SpringerReference 

Home For Librarians Help My SpringerReference J r Dgydqfng#MhduEk

Authors

Professor Bharath Sriraman
Nicholas Mousoulides

Editor

Professor Stephen Lerman

Free Articles

Ethnomathematics of the Inkas



Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures

Birth



Encyclopedia of Medical Anthropology

Fatherhood and Motherhood



Encyclopedia of Sex and Gender

Ethnobotany of the Incas



Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures

Water



Encyclopedia of Global Justice

More Free Articles

Session History (max. 10)

Bharath Sriraman
Mathematical Games in Learning and Teaching
Creativity in Mathematics Education
Argumentation in Mathematics
Argumentation in Mathematics Education

Humanities, Social Sciences and Law > Encyclopedia of Mathematics Education > Quasi-empirical Reasoning (Lakatos)

This is the free portion of the full article. The full article is available to licensed users only. How do I get access?

Quasi-empirical Reasoning (Lakatos)

Keywords

Lakatos; Maverick traditions in the philosophy of mathematics; Fallibilism; Proofs and Refutations; Proof; Philosophy of Mathematics

Definition

This entry examines Lakatos' [assertion](#) that the nature of mathematical knowledge is quasi-empirical, in attempting to describe the growth of mathematical knowledge and its implications for mathematics education.

Characteristics

The Hungarian philosopher Imre Lakatos (1976) considered mathematics to be a quasi-empirical science in his famous book "*Proofs and Refutations: The Logic of Mathematical Discovery*". The book, popularized within the mathematics community by Reuben Hersh (1978) after this paper "Introducing Imre Lakatos" (Hersh 1978), might also be considered as Lakatos' response to the claims on the methodology of mathematics, related to explaining how it is that mathematical knowledge qualifies for superlative epistemological qualities such as certainty, indubitability, and ... [read more]

Read full article
How do I get access?

© Springer 2013

Imprint | Contact Us | Privacy Policy | Terms of Use | About Us | System Requirements

Not logged in
Remote Address: 122.172.164.158 Server: senldogo0367 Date: 2013-01-07 07:36:54 CET
User Agent: Mozilla/5.0 (compatible; MSIE 9.0; Windows NT 6.1; Trident/5.0)
Project Version: 1.8 (2012-12-12)

Share