

Proof and proving in mathematics education

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20400684&lokasi=lokal>

Abstrak

This book, resulting from the 19th ICMI Study, brings together a variety of viewpoints on issues such as : (1) the potential role of reasoning and proof in deepening mathematical understanding in the classroom as it does in mathematical practice, (2) the developmental nature of mathematical reasoning and proof in teaching and learning from the earliest grades, and (3) the development of suitable curriculum materials and teacher education programs to support the teaching of proof and proving.