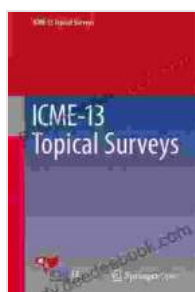


Achievements, Problems, and Prospects of ICME-13 Topical Surveys

The International Congress on Mathematical Education (ICME) is the world's largest and most prestigious conference in mathematics education. ICME-13, which was held in Hamburg, Germany, in 2016, was attended by over 3,000 delegates from over 100 countries.



History of Mathematics Teaching and Learning: Achievements, Problems, Prospects (ICME-13 Topical Surveys) by Randy Luethye

★★★★☆ 4.3 out of 5

Language : English
File size : 348 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 80 pages



One of the unique features of ICME is its Topical Surveys. These surveys are commissioned by the ICME Programme Committee and are written by leading experts in the field. The surveys provide a comprehensive overview of the current state of research in a particular area of mathematics education.

The ICME-13 Topical Surveys covered a wide range of topics, including:

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- Assessment in mathematics education

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- Mathematics education for students with special needs

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- The role of technology in mathematics education

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- Teacher education in mathematics

These surveys have been widely cited and have had a major impact on the field of mathematics education.

Achievements

The ICME-13 Topical Surveys have made a number of significant achievements. These include:

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- Providing a comprehensive overview of the current state of research in a particular area of mathematics education

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- Identifying key issues and challenges in the field

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- Suggesting future directions for research

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- Promoting collaboration between researchers from different countries

The surveys have also helped to raise the profile of mathematics education research and to show its importance to the broader educational community.

Problems

Despite their many achievements, the ICME Topical Surveys have also faced a number of challenges. These include:

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- The surveys are often very long and complex, making them difficult to read and understand

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- The surveys are sometimes written in a technical style that is inaccessible to non-experts

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- The surveys are often not up-to-date, as they are typically written several years before the ICME conference

These problems can make it difficult for researchers and educators to use the surveys to inform their work.

Prospects

Despite the challenges they face, the ICME Topical Surveys remain an important resource for mathematics education research. The surveys provide a valuable overview of the field and can help to identify key issues and challenges.

In order to address the problems that the surveys face, the ICME Programme Committee is considering a number of changes for the future. These changes include:

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- Making the surveys shorter and more accessible

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- Writing the surveys in a more user-friendly style

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- Updating the surveys more frequently

These changes would help to make the surveys more useful to researchers and educators and would ensure that they continue to play an important role in the field of mathematics education.

The ICME Topical Surveys are a valuable resource for mathematics education research. The surveys provide a comprehensive overview of the field and can help to identify key issues and challenges. However, the surveys also face a number of challenges, including their length, complexity, and lack of accessibility. The ICME Programme Committee is considering a number of changes to address these problems and to ensure that the surveys continue to play an important role in the field of mathematics education.

References

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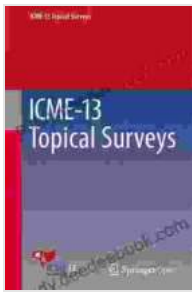
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- [2] ICME Programme Committee. (2016). Guidelines for Writing an ICME Topical Survey. Retrieved from <https://www.icme13.org/en/Programme/Topical-Surveys/Guidelines-for-Writing-an-ICME-Topical-Survey>

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