

Springer

1st
edition1st ed. 2018, VII, 440 p.
129 illus.**Printed book**

Hardcover

Printed book

Hardcover

ISBN 978-3-319-76574-7

\$ 149,99

Available

Discount group

Professional Books (2)

Product category

Contributed volume

Series

ICME-13 Monographs

Other renditions

Softcover

ISBN 978-3-030-09525-3

Education : Mathematics Education

Ball, L., Drijvers, P., Ladel, S., Siller, H.-S., Tabach, M., Vale, C. (Eds.)

Uses of Technology in Primary and Secondary Mathematics Education

Tools, Topics and Trends

- **Highlights key issues in the use of digital technologies in school mathematics**
- **Includes original international contributions to the field**
- **Suggests how technologies can be used for problem solving**

This book provides international perspectives on the use of digital technologies in primary, lower secondary and upper secondary school mathematics. It gathers contributions by the members of three topic study groups from the 13th International Congress on Mathematical Education and covers a range of themes that will appeal to researchers and practitioners alike. The chapters include studies on technologies such as virtual manipulatives, apps, custom-built assessment tools, dynamic geometry, computer algebra systems and communication tools. Chiefly focusing on teaching and learning mathematics, the book also includes two chapters that address the evidence for technologies' effects on school mathematics. The diverse technologies considered provide a broad overview of the potential that digital solutions hold in connection with teaching and learning. The chapters provide both a snapshot of the status quo of technologies in school mathematics, and outline how they might impact school mathematics ten to twenty years from now.

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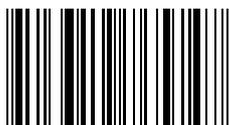
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