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Moyer-Packenham, Patricia S. (ed.)

International perspectives on teaching and learning mathematics with virtual manipulatives.

Mathematics Education in the Digital Era 7. Cham: Springer (ISBN 978-3-319-32716-7/hbk; 978-3-319-32718-1/ebook). viii, 345 p. (2016).

Publisher's description: This book explores terminology, frameworks, and research being conducted worldwide on virtual manipulatives. It brings together international authors who provide their perspectives on virtual manipulatives in research and teaching. By defining terminology, explaining conceptual and theoretical frameworks, and reporting research, the authors provide a comprehensive foundation on the study and use of virtual manipulatives for mathematics teaching and learning. This foundation provides a common way for researchers to communicate about virtual manipulatives and build on the major works that have been conducted on this topic. By discussing these big ideas, the book advances knowledge for future research on virtual manipulatives as these dynamic tools move from computer platforms to hand-held, touch-screen, and augmented platforms. The articles of this volume will be indexed individually.

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