Multimedia in Education: Adaptive Learning and Testing

By Irene Cheng

World Scientific Publishing Company. Hardcover. Book Condition: New. Hardcover. 188 pages. Dimensions: 8.9in. x 6.1in. x 0.8in.In this book, we review many examples of multimedia item types for testing. We also outline how games can be used to test physics concepts -- discuss designing chemistry item types with interactive graphics; study how culture-specific linguistics can help inner-city kids and new immigrants learn better; suggest approaches for automatically adjusting difficulty level in interactive graphics-based questions; and propose strategies for giving partial marks for incorrect answers. We also study how to test different cognitive skills, such as music, using multimedia interfaces and also evaluate the effectiveness of our model. Methods for estimating difficulty levels of mathematical item types using Item Response Theory (IRT) will be discussed. Examples of item shells for human computer interaction and cell phones will be shown. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Hardcover.

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