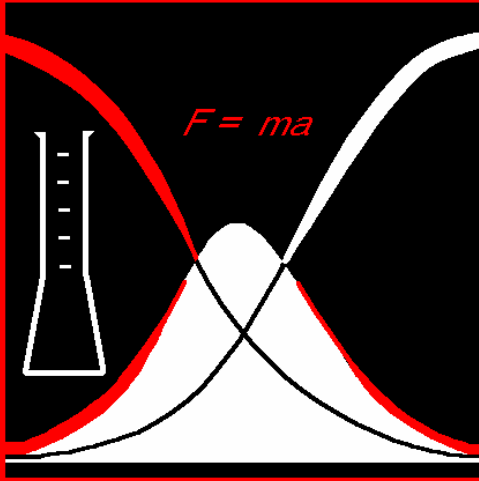


Applications of Rasch Measurement  
In Science Education

Xiufeng Liu and William J. Boone  
Editors



## Applications of Rasch Measurement in Science Education

Edited by  
Xiufeng Liu

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and

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Miami University (Ohio)

JAM Press is pleased to announce the new book, *Applications of Rasch Measurement in Science Education*, is available. The book is available in soft cover (\$51, ISBN 1-934116-01-7) and hard cover (\$63, ISBN 1-934116-00-9). Postage and handling are additional. Information on ordering the book (347 Pages) can be found on the reverse of this announcement. Information is also available at the *Journal of Applied Measurement* web site ([www.jampress.org](http://www.jampress.org)). Please go to the JAM Press Books page on the website and scroll down to the new books section.

This edited book includes a collection of exemplary applications of Rasch models in science education. Written by leading researchers around the world on Rasch applications in science education, the chapters address important research questions related to assessing student conceptual understanding, informal science learning, learning environment, affective learning, and teacher knowledge. Anyone who is interested in improving science education measurement will find the book to be useful.

The titles and authors of the twelve chapters are as follows:

- ◆ Forward, *David F. Treagust*
- ◆ Introduction to Rasch Measurement in Science Education, *Xiufeng Liu and William J. Boone*
- ◆ Constructing a Quality Assessment through Rasch Techniques: The Process of Measurement, Feedback, Reflection and Change, *Kelly D. Bradley and Shannon O. Sampson*
- ◆ The Geoscience Concept Inventory: Application of Rasch Analysis to Concept Inventory Development in Higher Education, *Julie C. Libarkin and Steven W. Anderson*
- ◆ Tracking Cognitive Development with the Rasch Model: Empirical Evidence of Growth and Heterogeneity, *Lorna C. Endler and Trevor G. Bond*
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