



# Automatic Item Generation: Theory and Practice

From Brand: Routledge

Download now

Read Online 

**Automatic Item Generation: Theory and Practice** From Brand: Routledge

Automatic item generation (AIG) represents a relatively new and unique research area where specific cognitive and psychometric theories are applied to test construction practices for the purpose of producing test items using technology. The purpose of this book is to bring researchers and practitioners up-to-date on the growing body of research on AIG by organizing in one volume what is currently known about this research area. Part I begins with an overview of the concepts and topics necessary for understanding AIG by focusing on both its history and current applications. Part II presents two theoretical frameworks and practical applications of these frameworks in the production of item generation. Part III summarizes the psychological and substantive characteristics of generated items. Part IV concludes with a discussion of the statistical models that can be used to estimate the item characteristics of generated items, features one future application of AIG, describes the current technologies used for AIG, and also highlights the unresolved issues that must be addressed as AIG continues to mature as a research area.

**Comprehensive** – The book provides a comprehensive analysis of both the theoretical concepts that define automatic item generation and the practical considerations required to implement these concepts.

**Varied Applications** – Readers are provided with novel applications in diverse content areas (e.g., science and reading comprehension) that range across all educational levels – elementary through university.

 [Download Automatic Item Generation: Theory and Practice ...pdf](#)

 [Read Online Automatic Item Generation: Theory and Practice ...pdf](#)

# Automatic Item Generation: Theory and Practice

*From Brand: Routledge*

## Automatic Item Generation: Theory and Practice From Brand: Routledge

Automatic item generation (AIG) represents a relatively new and unique research area where specific cognitive and psychometric theories are applied to test construction practices for the purpose of producing test items using technology. The purpose of this book is to bring researchers and practitioners up-to-date on the growing body of research on AIG by organizing in one volume what is currently known about this research area. Part I begins with an overview of the concepts and topics necessary for understanding AIG by focusing on both its history and current applications. Part II presents two theoretical frameworks and practical applications of these frameworks in the production of item generation. Part III summarizes the psychological and substantive characteristics of generated items . Part IV concludes with a discussion of the statistical models that can be used to estimate the item characteristics of generated items, features one future application of AIG, describes the current technologies used for AIG, and also highlights the unresolved issues that must be addressed as AIG continues to mature as a research area.

**Comprehensive** – The book provides a comprehensive analysis of both the theoretical concepts that define automatic item generation and the practical considerations required to implement these concepts.

**Varied Applications** – Readers are provided with novel applications in diverse content areas (e.g., science and reading comprehension) that range across all educational levels – elementary through university.

## Automatic Item Generation: Theory and Practice From Brand: Routledge Bibliography

- Sales Rank: #1380286 in Books
- Brand: Brand: Routledge
- Published on: 2012-08-09
- Released on: 2012-09-20
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x .58" w x 7.00" l, .98 pounds
- Binding: Paperback
- 256 pages

 [Download Automatic Item Generation: Theory and Practice ...pdf](#)

 [Read Online Automatic Item Generation: Theory and Practice ...pdf](#)

## **Download and Read Free Online Automatic Item Generation: Theory and Practice From Brand: Routledge**

---

### **Editorial Review**

About the Author

**Mark J. Gierl** is Professor of Educational Psychology and Director of the Centre for Research in Applied Measurement and Evaluation in the Department of Educational Psychology, Faculty of Education, at the University of Alberta. He holds the Canada Research Chair in Educational Measurement.

**Thomas M. Haladyna** is Professor Emeritus, Arizona State University. He is the author of numerous books in the field of educational assessment and test item development, including the much praised [Handbook of Test Development](#).

### **Users Review**

**From reader reviews:**

**Carolyn Baird:**

People live in this new day time of lifestyle always attempt to and must have the spare time or they will get lots of stress from both daily life and work. So , whenever we ask do people have extra time, we will say absolutely without a doubt. People is human not a robot. Then we inquire again, what kind of activity have you got when the spare time coming to a person of course your answer will unlimited right. Then do you ever try this one, reading publications. It can be your alternative inside spending your spare time, often the book you have read is usually Automatic Item Generation: Theory and Practice.

**Donna Moore:**

Do you one of the book lovers? If so, do you ever feeling doubt if you are in the book store? Make an effort to pick one book that you never know the inside because don't judge book by its protect may doesn't work is difficult job because you are afraid that the inside maybe not since fantastic as in the outside search likes. Maybe you answer is usually Automatic Item Generation: Theory and Practice why because the amazing cover that make you consider in regards to the content will not disappoint an individual. The inside or content is actually fantastic as the outside or perhaps cover. Your reading 6th sense will directly guide you to pick up this book.

**Vickie Gilbert:**

Are you kind of stressful person, only have 10 or maybe 15 minute in your day time to upgrading your mind expertise or thinking skill perhaps analytical thinking? Then you are having problem with the book than can satisfy your small amount of time to read it because pretty much everything time you only find publication that need more time to be go through. Automatic Item Generation: Theory and Practice can be your answer mainly because it can be read by you who have those short spare time problems.

**Justin Tapscott:**

Within this era which is the greater person or who has ability in doing something more are more precious than other. Do you want to become one among it? It is just simple method to have that. What you need to do is just spending your time almost no but quite enough to have a look at some books. On the list of books in the top listing in your reading list is usually Automatic Item Generation: Theory and Practice. This book and that is qualified as The Hungry Hillside can get you closer in becoming precious person. By looking upwards and review this publication you can get many advantages.

**Download and Read Online Automatic Item Generation: Theory and Practice From Brand: Routledge #MHL6ID1GBVT**

## **Read Automatic Item Generation: Theory and Practice From Brand: Routledge for online ebook**

Automatic Item Generation: Theory and Practice From Brand: Routledge Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Automatic Item Generation: Theory and Practice From Brand: Routledge books to read online.

### **Online Automatic Item Generation: Theory and Practice From Brand: Routledge ebook PDF download**

**Automatic Item Generation: Theory and Practice From Brand: Routledge Doc**

**Automatic Item Generation: Theory and Practice From Brand: Routledge Mobipocket**

**Automatic Item Generation: Theory and Practice From Brand: Routledge EPub**