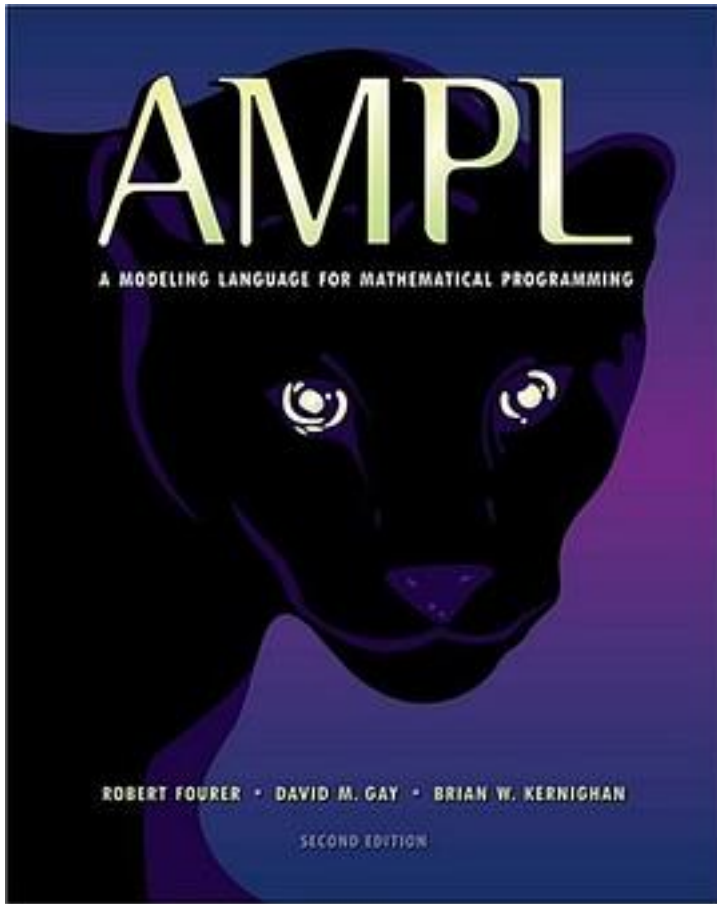


# AMPL



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著者:Robert Fourer

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AMPL is a language for large-scale optimization and mathematical programming problems in production, distribution, blending, scheduling, and many other applications. Combining familiar algebraic notation and a powerful interactive command environment, AMPL makes it easy to create models, use a wide variety of

solvers, and examine solutions. Though flexible and convenient for rapid prototyping and development of models, AMPL also offers the speed and generality needed for repeated large-scale production runs. This book, written by the creators of AMPL, is a complete guide for modelers at all levels of experience. It begins with a tutorial on widely used linear programming models, and presents all of AMPL's features for linear programming with extensive examples. Additional chapters cover network, nonlinear, piecewise-linear, and integer programming; database and spreadsheet interactions; and command scripts. Most chapters include exercises. Download free versions of AMPL and several solvers from [www.ampl.com](http://www.ampl.com) for experimentation, evaluation, and education. The Web site also lists vendors of the commercial version of AMPL and numerous solvers.

作者介绍:

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## 标签

金融

数学

优化

Optimization

algorithms

PDE

## 评论

建议结合Introduction to linear programming, MIT, BT版同时阅读.  
一个是理论,一个是应用.

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书评

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