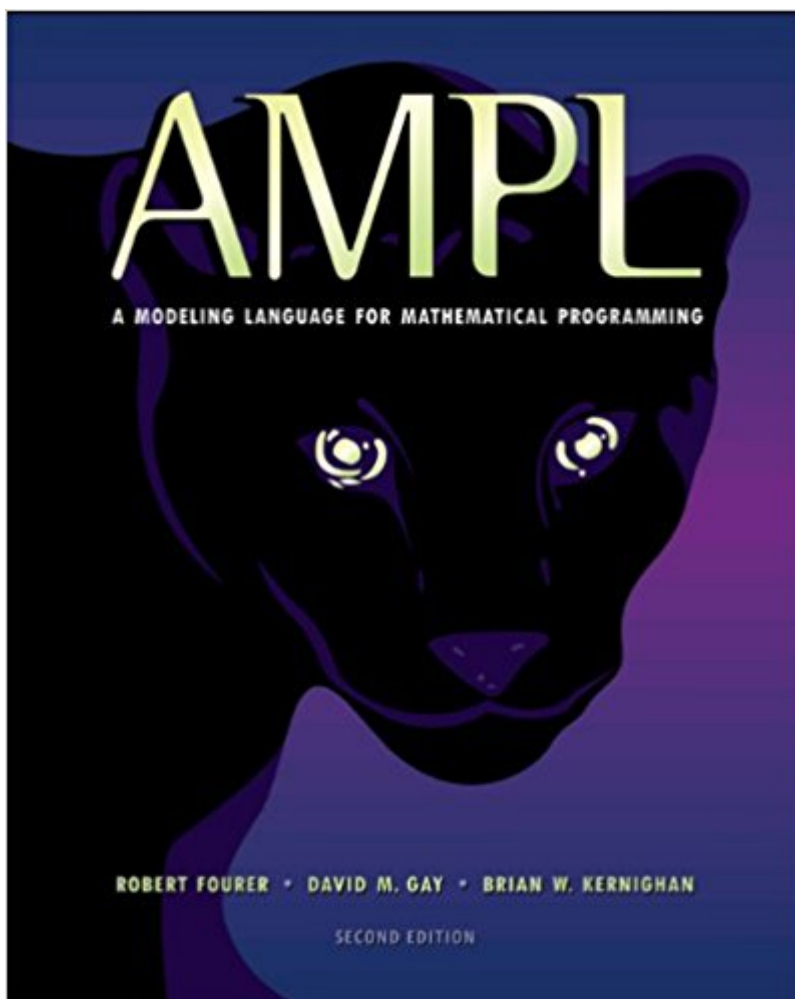**The book was found**

AMPL: A Modeling Language For Mathematical Programming

Synopsis

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 for experimentation, evaluation, and education. The Web site also lists vendors of the commercial version of AMPL and numerous solvers.

Book Information

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Customer Reviews

Robert Fourer received his Ph.D. in operations research from Stanford University in 1980 and is an active researcher in mathematical programming and modeling language design. He joined the Department of Industrial Engineering and Management Sciences at Northwestern University in 1979

and served as chair of the department from 1989 to 1995.David M. Gay received his Ph.D. in computer science from Cornell University in 1975, and was in the Computing Science Research Center at Bell Laboratories from 1981 to 2001. He is now CEO of AMPL Optimization LLC. His research interests include numerical analysis, optimization, and scientific computing.Brian Kernighan received his Ph.D. in electrical engineering from Princeton University in 1969. He was in the Computing Science Research Center at Bell Laboratories from 1969 to 2000 and now teaches in the Computer Science department at Princeton. He is the co-author of several computer science books, including THE C PROGRAMMING LANGUAGE and THE UNIX PROGRAMMING ENVIRONMENT.

There are many great, easy to follow examples, and it clearly explains the intrecacies of the language. A must use software and most own book for anyone doing any optimization work.

I have to say that this book is a powerful tool to learn basic optimization/programming + AMPL!This is the only book AMPL users should have. It is comprehensive, user-friendly and gives a lot of good examples. Ideal for both beginners and advance AMPL programmers. Also suitable for self-directed learning.

If you're using or learning how to use AMPL, fret no more. This is the only book AMPL users should have. Its comprehensive, and gives a lot of good examples. Ideal for both beginner and advance AMPL programmers. You end up using the index in the back for reference after you've become more familiar with AMPL. There's isnt another AMPL book out there. This is THE ONE.

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very best book

Most software "companions" (more than a manual...not quite a book) really do not do justice to the software. Quite the contrary for the AMPL guide. AMPL (the language) is a *very* powerful and *very* easy to use Optimization package. It interfaces with most of the major solvers. Users program in AMPL which is more or less pseudocode and then solve LP, nonlinear, combinatorial, integer, etc. programs. Unlike most software packages, it is both robust and easy to use. Likewise with the companion/book. There are many great, easy to follow examples, and it clearly explains the

intrecacies of the language. A must use software and most own book for anyone doing any optimization work.

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