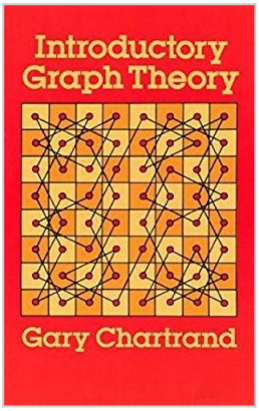

Introductory Graph Theory (Dover Books on Mathematics)

By Gary Chartrand

Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand

Graph theory is used today in the physical sciences, social sciences, computer science, and other areas. *Introductory Graph Theory* presents a nontechnical introduction to this exciting field in a clear, lively, and informative style.
Author Gary Chartrand covers the important elementary topics of graph theory and its applications. In addition, he presents a large variety of proofs designed to strengthen mathematical techniques and offers challenging opportunities to have fun with mathematics.
Ten major topics — profusely illustrated — include: Mathematical Models, Elementary Concepts of Graph Theory, Transportation Problems, Connection Problems, Party Problems, Digraphs and Mathematical Models, Games and Puzzles, Graphs and Social Psychology, Planar Graphs and Coloring Problems, and Graphs and Other Mathematics.
A useful Appendix covers Sets, Relations, Functions, and Proofs, and a section devoted to exercises — with answers, hints, and solutions — is especially valuable to anyone encountering graph theory for the first time.
Undergraduate mathematics students at every level, puzzlists, and mathematical hobbyists will find well-organized coverage of the fundamentals of graph theory in this highly readable and thoroughly enjoyable book.

Introductory Graph Theory (Dover Books on Mathematics)

By Gary Chartrand

Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand

Graph theory is used today in the physical sciences, social sciences, computer science, and other areas. *Introductory Graph Theory* presents a nontechnical introduction to this exciting field in a clear, lively, and informative style.
Author Gary Chartrand covers the important elementary topics of graph theory and its applications. In addition, he presents a large variety of proofs designed to strengthen mathematical techniques and offers challenging opportunities to have fun with mathematics.
Ten major topics — profusely illustrated — include: Mathematical Models, Elementary Concepts of Graph Theory, Transportation Problems, Connection Problems, Party Problems, Digraphs and Mathematical Models, Games and Puzzles, Graphs and Social Psychology, Planar Graphs and Coloring Problems, and Graphs and Other Mathematics.
A useful Appendix covers Sets, Relations, Functions, and Proofs, and a section devoted to exercises — with answers, hints, and solutions — is especially valuable to anyone encountering graph theory for the first time. Undergraduate mathematics students at every level, puzzlists, and mathematical hobbyists will find well-organized coverage of the fundamentals of graph theory in this highly readable and thoroughly enjoyable book.

Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand Bibliography

- Sales Rank: #319425 in Books
- Published on: 1984-12-01
- Released on: 1984-12-01
- Format: Unabridged
- Original language: English
- Number of items: 1
- Dimensions: 8.48" h x .62" w x 5.44" l, .72 pounds
- Binding: Paperback
- 320 pages

Editorial Review

About the Author

Six Degrees of Paul Erdos
Contrary to popular belief, mathematicians do quite often have fun. Take, for example, the phenomenon of the Erdos number. Paul Erdos (1913–1996), a prominent and productive Hungarian mathematician who traveled the world collaborating with other mathematicians on his research papers. Ultimately, Erdos published about 1,400 papers, by far the most published by any individual mathematician.

About 1970, a group of Erdos's friends and collaborators created the concept of the "Erdos number" to define the "collaborative distance" between Erdos and other mathematicians. Erdos himself was assigned an Erdos number of 0. A mathematician who collaborated directly with Erdos himself on a paper (there are 511 such individuals) has an Erdos number of 1. A mathematician who collaborated with one of those 511 mathematicians would have an Erdos number of 2, and so on — there are several thousand mathematicians with a 2.

From this humble beginning, the mathematical elaboration of the Erdos number quickly became more and more elaborate, involving mean Erdos numbers, finite Erdos numbers, and others. In all, it is believed that about 200,000 mathematicians have an assigned Erdos number now, and 90 percent of the world's active mathematicians have an Erdos number lower than 8. It's somewhat similar to the well-known Hollywood trivia game, Six Degrees of Kevin Bacon. In fact there are some crossovers: Actress-mathematician Danica McKellar, who appeared in TV's *The Wonder Years*, has an Erdos number of 4 and a Bacon number of 2.

This is all leading up to the fact that Gary Chartrand, author of Dover's *Introductory Graph Theory*, has an Erdos number of 1 — and is one of many Dover authors who share this honor.

Users Review

From reader reviews:

James Oliver:

Why don't make it to be your habit? Right now, try to ready your time to do the important take action, like looking for your favorite book and reading a publication. Beside you can solve your condition; you can add your knowledge by the publication entitled Introductory Graph Theory (Dover Books on Mathematics). Try to face the book Introductory Graph Theory (Dover Books on Mathematics) as your buddy. It means that it can being your friend when you sense alone and beside regarding course make you smarter than ever before. Yeah, it is very fortuned in your case. The book makes you a lot more confidence because you can know every thing by the book. So , let's make new experience and knowledge with this book.

Rodney Wilson:

Your reading 6th sense will not betray you, why because this Introductory Graph Theory (Dover Books on Mathematics) e-book written by well-known writer whose to say well how to make book that may be understand by anyone who read the book. Written with good manner for you, leaking every ideas and creating skill only for eliminate your own hunger then you still skepticism Introductory Graph Theory (Dover Books on Mathematics) as good book but not only by the cover but also from the content. This is one reserve that can break don't judge book by its handle, so do you still needing another sixth sense to pick this specific!? Oh come on your looking at sixth sense already alerted you so why you have to listening to yet another sixth sense.

Sarah Johnson:

In this period globalization it is important to someone to receive information. The information will make a professional understand the condition of the world. The health of the world makes the information easier to share. You can find a lot of sources to get information example: internet, magazine, book, and soon. You will see that now, a lot of publisher which print many kinds of book. The book that recommended to your account is Introductory Graph Theory (Dover Books on Mathematics) this reserve consist a lot of the information from the condition of this world now. That book was represented so why is the world has grown up. The terminology styles that writer require to explain it is easy to understand. Often the writer made some exploration when he makes this book. This is why this book acceptable all of you.

Robert Vargas:

Is it an individual who having spare time then spend it whole day simply by watching television programs or just laying on the bed? Do you need something totally new? This Introductory Graph Theory (Dover Books on Mathematics) can be the respond to, oh how comes? A book you know. You are and so out of date, spending your spare time by reading in this brand new era is common not a geek activity. So what these guides have than the others?

Read Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand for online ebook

Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand 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 Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand books to read online.

Online Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand ebook PDF download

Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand Doc

Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand Mobipocket

Introductory Graph Theory (Dover Books on Mathematics) By Gary Chartrand EPub