INTRODUCTION TO GRAPH THEORY RICHARD J TRUDEAU pdf

1: Introduction to Graph Theory by Robin J. Wilson | eBay

This is an excelent introduction to graph theory if I may say. Im an electrical engineer and been wanting to learn about the graph theory approach to electrical network analysis, surprisingly there is very little information out there, and very few books devoted to the subject.

Exercises are included at the end of each chapter. Every library should have several copies" â€” Choice. The book gives an introduction to graph theory take the "introduction to" part of the title very seriously. To give an idea of the depth of this book, I read this book in about 6 hours prior to taking a course in graph theory an undergraduate and graduate student mixed course , and the material in the book was covered in class in about 4 lectures there were about 30 lectures in the course. What gives this book 5 stars is that it was written very well and made the material very interesting. I would recommend this book to someone looking to understand the very basics of graph theory, but I would not to someone looking for a thorough introduction to graph theory. For reference, titles of chapters: Fun and instructive, albeit elementary By D. Amos on Jun 20, For anyone interested in graph theory who has not taken many upper level math classes, or has yet to take a course in discrete mathematics, this is a great introduction. For anyone, at any level, this is a fun and entertaining read. The material is in no way thorough, nor treated very rigorously. All the basics are there and taught in an intuitive manner. There are numerous exercises, none of which is difficult, but all of which are interesting to someone who is new to graph theory. Some of the key results that are simple to prove are done so in the exercises, encouraging readers to discover things for themselves. If you are looking for a rigorous book on graph theory, look elsewhere. But that is really the only downside! I liked graph theory before reading this book. I loved graph theory after reading the first chapter. A fascinating start into graph theory. By Larry Sue on Jul 23, Mr. Trudeau has done a fabulous job of introducing graph theory in a way which is understandable and intellectually provocative. He mentions that some of the problems are easy, and that some have been unsolved. In both cases, they both are fully illustrative of the subject matter. If you want to begin exploring graph theory, this book is for you! Elementary yet comprehensive enough By J. Mendonca on Nov 10, This book introduces graph theory terminology and elementary results to the absolute beginner. It does a nice job of presenting the material in the format "motivation-example-definitions-theorem-proof-remarks", which I find pedagogical. This last piece of the text I liked least, since I do not agree with the author many times. He defends the position that "pure mathematics" is "real mathematics", and that "applied mathematics" follows from the "real thing" he actually states this literally in the introduction of the book. This view has been debunked so many times along the history of the subject that it is quite irritating to see it expressed so categorically. But the book is not about math philosophy, so I recommend it as a warm up to those interested in more heavy-duty graph theory. You should also take a glance on "Introductory Graph Theory" by Gary Chartrand, which is perhaps a better written book. Chary on Mar 08, This book provides a good but not rigorous great introduction to graph theory. The best audience is someone with mathematical ability but little education beyond high school or introductory math. That is, knowledge of analysis or higher is not required. Having finished this book, one could go on to the book entitled graph theory by the same publisher. The style of the book is conversational except for one more proof-oriented chapter. At the end of each chapter are graded problems with answers, a great plus for self-study. Fun intro to graph theory By Amazon Customer on Nov 21, I like this book as an intro to graph theory. I already had a little background in graph theory and a graduate degree in mathematics before I got this book, but I think that less experienced readers with an interest in pure math will enjoy this book. This book has rocked my world By Roger Costello on Nov 24, In my life I have read, perhaps, 20 books that have profoundly changed my world. I have been most fortunate lately to have stumbled upon two such books: Parsing Techniques by Dick Grune and Ceriel Jacobs Not only is it packed with clearly explained information, but it is written in an eloquent, almost poetic way. As I read it I continually find myself saying, "Wow, wow, wow!. Introduction to Graph Theory by Richard Trudeau The author claims that many students get bored with mathematics because the mathematics is tied to applications. He says that students should learn pure mathematics: This totally blew me away. This is an unbelievably

awesome book. Every branch of mathematics and subtopic should have a similarly painless and enjoyable introduction. There is no knowledge of jargon expected from the reader, making this book approachable by any first-time math reader. I could equally see an eighty year old, with no mathematical background, entering into this text and fully comprehending everything said. I recommend this book, in particular, to those who are either math illiterate and want to become generally literate and to those who are weak readers of math looking for some mental exercise at their level. Probably one of the unheralded aspects of this book is that it serves as a decent introduction to proofs. The proofs are generally rigorous, but they are not portrayed symbolically, most of the time. In this sense, the book stands as an exercise course in reason. I do have minor, minor complaints about the book. My first complaint about the book is organizational. I think Trudeau wrote it very much out of order. Eulerian and Hamiltonian graphs probably should have been one of the earlier chapters; and I am not sure why they came after coloring and especially! My second complaint is about the missing concepts and terminology. Genus seems a much more complicated and out of place topic, seeing as he left these basic concepts out. My last complaint is that Trudeau could have made the book a little more fun. It is engaging and it is very well written. A remark on approach of the book: Unfortunately, the scientistic and absurdly pragmatic mentality --and this is coming from a pragmatist! Trudeau has, as stated in the intro, an eye toward preserving math for its own sake. My personal suggestion is this: If that is not an issue, moving on to Chartrand might be a good idea. However, Chartrand is not as much geared in the direction of proofs, so Trudeau definitely has advantages. Almost all math majors by the time of their second year will be beyond this book, and this book will only be useful for conceptual and philosophical purposes, as well as for purposes of analyzing mathematical reasoning. Take a look if you are even moderately interested. Quick word about the Kindle edition: Some of the pages have been scanned or whatever pretty close to the edge of the page. If you can get the book from a used books store for less, go and get the paper version, because I can see people wanting to lend this one out. Otherwise, the Kindle version is not bad. This book can be used to teach high school students graph theory and college students scientific writing. My issue, though, is that the proofs were sometimes way too difficult to follow as a beginner; he could have done a better job helping you connect the dots of reasoning for people unfamiliar to pure mathematics the stated audience of this book. Excellent and gentle introduction to network theory By Vladimir Zuzukin on Jan 03, Classic text. Excellent and gentle introduction to network theory. It is as challenging and rigorous as you want to make it. Read it for enjoyment and understanding. Tackle the exercises for the challenge. I highly recommend it as foundational for any new student of graphs and networks, especially prior to tackling a modern MOOC on this subject. A good start to a math hobby By Amazon Customer on Dec 24, This text was a great stepping stone in my hobby exploration of mathematics especially topology. In addition to the hobby appeal of graph theory I found myself applying the concepts in my day job almost immediately. I will say that with this an all the Dover books there is some trouble with mathematical symbols showign up correctly on the Kindle for Android app and even on the Kindle. An effortless introduction to a highly abstrct subject By Boris Glebov on May 22, Dover has put a great number of short introductory books on scientific topics, and I have generally found them to be excellent. They are concise, on point, and informative. This book is no exception. The writing is light. It serves up a wonderful introduction to the subject by explaining the basic terms and theorems. Though it is well short of being a rigorously formal book, it gives a good sense of the subject area, and I was actually able to make almost immediate practical use of its material figuring out whether a circuit I was designing could fit onto a single-sided board. The price is right. The subject is approachable and clearly discusses the concepts behind the mathematics. Interestingly, Hamiltonian and Eulerian walks is treated at the end of the text instead of the beginning. Everything is very readable. By Frank on Aug 11, The topic was new to me, the material developed in a fairly logical manner, not boring but the mathematics does get demanding at points. The author notes this and encourages continued reading. Actually the material covered is wider than graph theory.

2: Richard J. Trudeau (Author of Introduction to Graph Theory)

A stimulating excursion into pure mathematics aimed at "the mathematically traumatized," but great fun for mathematical

hobbyists and serious mathematicians as well. This book leads the reader from simple graphs through planar graphs, Euler's formula, Platonic graphs, coloring, the genus of a graph.

3: Introduction to Graph Theory - Richard J. Trudeau - Google Books

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4: Introduction to Graph Theory by Richard J. Trudeau

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6: Introduction to Graph Theory (Dover Books on Mathematics) by Richard J. Trudeau ()

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7: Introduction to Graph Theory

A stimulating excursion into pure mathematics aimed at "the mathematically traumatized," but great fun for mathematical hobbyists and serious mathematicians as well.

8: Introduction to Graph Theory : Richard J. Trudeau :

Introduction to Graph Theory by Richard J. Trudeau A readable copy. All pages are intact, and the cover is intact. Pages can include considerable notes-in pen or highlighter-but the notes cannot obscure the text.

9: Introduction to Graph Theory eBook: Richard J. Trudeau: www.enganchecubano.com: Kindle Store

Requiring only high school algebra as mathematical background, the book leads the reader from simple graphs through planar graphs, Euler's formula, Platonic graphs, coloring, the genus of a graph, Euler walks, Hamilton walks, and a discussion of The Seven Bridges of Konigsberg.

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