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Categories and Computer Science (Cambridge Computer Science Texts)

Von R. F. C. Walters

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Von R. F. C. Walters : Categories and Computer Science (Cambridge Computer Science Texts) before purchasing it in order to gage whether or not it would be worth my time, and all praised Categories and Computer Science (Cambridge Computer Science Texts):

KundenrezensionenHilfreichste Kundenrezensionen0 von 1 Kunden fanden die folgende Rezension hilfreich. a recommendation of Category Theory texts for CS/ITVon In September 1997 we needed a book on Category Theory

for our first year undergraduate class in the B.A. (Mod) honors degree in Information and Communications Technology (ICT) at the University of Dublin, Trinity College, Dublin 2, Ireland. This book was at that time the only one that satisfied our requirements. Now we have chosen (Lawvere and Schanuel 1997) in addition. It is our opinion that one ought to start with the latter, a most excellent introduction of great profundity, and, for application to computing, use the Walters text. It is hard to beat this combination for a first year undergraduate course, as far as we know at this time (Sept.98)

Kurzbeschreibung Category theory has become increasingly important and popular in computer science, and many universities now have introductions to category theory as part of their courses for undergraduate computer scientists. The author is a respected category theorist and has based this textbook on a course given over the last few years at the University of Sydney. The theory is developed in a straightforward way, and is enriched with many examples from computer science. Thus this book meets the needs of undergraduate computer scientists, and yet retains a level of mathematical correctness that will broaden its appeal to include students of mathematics new to category theory. Pressestimmen "Nice, crisp introduction to category theory, motivated by examples and use in computer science. Mathematical sophistication blends nicely with fundamental concepts and examples to make the connections (and usefulness) understandable to good undergraduates." The American Mathematical Monthly "Within the setting of distributive categories, nicely explained here, one sees data structure abstractions done properly. The example of queues is the most compelling in that all of the structure of distributive categories is used....strongly recommend[ed]. David B. Benson, Computing s"...probably the clearest introduction to category theory written to date." The Bulletin of Mathematics Books über das Produkt This textbook has been enriched with many computer science related topics and, although its aim is to give an introduction to categories for students of computer science, it retains a level of mathematical correctness that will broaden its appeal to include students of mathematics as well.