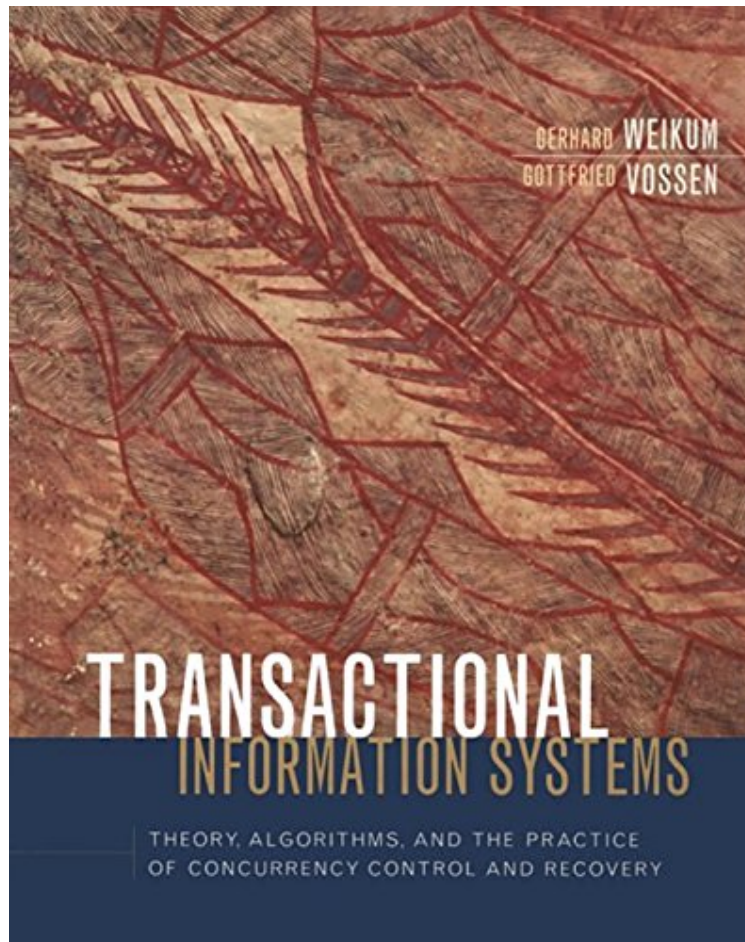


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## Transactional Information Systems: Theory, Algorithms, and the Practice of Concurrency Control and Recovery (The Morgan Kaufmann Series in Data Management Systems)

Von Gerhard Weikum, Gottfried Vossen  
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Von Gerhard Weikum, Gottfried Vossen : Transactional Information Systems: Theory, Algorithms, and the Practice of Concurrency Control and Recovery (The Morgan Kaufmann Series in Data Management Systems) before purchasing it in order to gage whether or not it would be worth my time, and all praised Transactional Information Systems: Theory, Algorithms, and the Practice of Concurrency Control and Recovery (The Morgan Kaufmann Series in Data Management Systems):

KundenrezensionenHilfreichste Kundenrezensionen1 von 1 Kunden fanden die folgende Rezension hilfreich. Absolute KaufempfehlungVon MephZu diesem Buch kann ich nur eins sagen: Genial, absolutes Muss fr jeden, der Tiefer in

diesen Bereich einsteigen will. Jeder Student kennt das Problem, dass man in verschiedenen Bereichen des Studiums auch Fachliteratur angewiesen ist. Dabei gibt es in vielen Fällen zwei Extremfälle: - die Bücher sind zu Allgemein gehalten, soda bei tiefergehenden Fragen nicht geklärt werden und weitere Literatur benötigt wird - die Bücher sind zu Abstrakt gehalten, soda ein Einstieg in die Materie nicht immer ohne weiteres möglich ist. Das hier beschriebene Buch schafft es sehr gut einen Mittelweg zu finden, soda Einstieger gut in die Materie einsteigen können ohne aber die Leser zu verlieren, die sich schon ein wenig in der Materie auskennen. Nach der Empfehlung durch unseren Professor war ich im ersten Moment durch den hohen Preis abgeschreckt, soda ich mir dieses Buch zuerst in unserer Bibliothek ausgeliehen habe. Schon nach den ersten Seiten war mir klar, dass es sich bei diesem Buch um ein sehr gutes Fachbuch handelt. Die einzelnen Aspekte von Transaktionen werden logisch erklärt und einzelne Abhängigkeiten erläutert. Im weiteren Verlauf des Buches bauen die Folgekapitel jeweils konsequent auf den vorhergehenden Kapiteln auf. Dieses Fachbuch geht dabei sehr umfassend auf die einzelnen Aspekte von Transaktionen und Datenbanken ein. Das beschriebene Buch war mir im Rahmen des Studiums eine sehr große Hilfe und dient mir heute immer noch als Nachschlagewerk. Ich kann dieses Buch jedem uneingeschränkt empfehlen, der sich in diesem Bereich einlesen will oder seine Kenntnisse vertiefen will.

3 von 4 Kunden fanden die folgende Rezension hilfreich. A really great and detailed introduction to TPV von Uwe Keller I enjoyed reading the book very much - or should I say I devoured it! In comparison with other books in the field, e.g. the classical ones Bernstein, Hadzilacos and Goodman or Papadimitriou, it is much more detailed and provides a unified framework for the representation. In contrast to other books, it not only covers the traditional page model, but also treats the so-called object model which is much more general and gives additional insight as a unifying platform for different sophisticated variants of traditional TP protocols. What I found especially insightful is the rigorous treatment of the topic in terms of a precise mathematical model, not only for the protocols concerned with isolation of transactions, but also for the recovery protocols. I strongly recommend reading this book when you want to get a deeper understanding of the field. But of course it is also a beautiful introduction for beginners in TP and database systems.

Kurzbeschreibung Transactional Information Systems is the long-awaited, comprehensive work from leading scientists in the transaction processing field. Weikum and Vossen begin with a broad look at the role of transactional technology in today's economic and scientific endeavors, then delve into critical issues faced by all practitioners, presenting today's most effective techniques for controlling concurrent access by multiple clients, recovering from system failures, and coordinating distributed transactions. The authors emphasize formal models that are easily applied across fields, that promise to remain valid as current technologies evolve, and that lend themselves to generalization and extension in the development of new classes of network-centric, functionally rich applications. This book's purpose and achievement is the presentation of the foundations of transactional systems as well as the practical aspects of the field what will help you meet today's challenges. Provides the most advanced coverage of the topic available anywhere--along with the database background required for you to make full use of this material. Explores transaction processing both generically as a broadly applicable set of information technology practices and specifically as a group of techniques for meeting the goals of your enterprise. Contains information essential to developers of Web-based e-Commerce functionality--and a wide range of more "traditional" applications. Details the algorithms underlying core transaction processing functionality. Pressestimmen "This book is a major advance for transaction processing. It gives an in-depth presentation of both the theoretical and practical aspects of the field, and is the first to present our new understanding of multi-level (object model) transaction processing. It's likely to become the standard reference in our field for many years to come." --Jim Gray, Microsoft "This book is a major advance for transaction processing. It gives an in-depth presentation of both the theoretical and practical aspects of the field, and is the first to present our new understanding of multi-level (object model) transaction processing. It's likely to become the standard reference in our field for many years to come." --Jim Gray, Microsoft

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