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References; 5 Introduction to Concurrency Control Mechanisms; 5.1 Introduction; 5.1.1 Ways of Locking Data Items; 5.1.2 The Phantom Problem; 5.1.3 Multigranularity Locking; 5.1.4 Heuristic Approach in Locking Schemes; 5.1.5 Non-Locking-Based Schemes; 5.1.6 Mixed Approaches; 5.1.7 Multiversion Approach; 5.1.8 Optimistic Concurrency Control Mechanisms; 5.1.9 Two-Phase Locking for Distributed Database Systems; 5.2 Summary; References; 6 Data Processing and Mobility
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Sommario/riassunto

A breakthrough sourcebook to the challenges and solutions for mobile database systems This text enables readers to effectively manage mobile database systems (MDS) and data dissemination via wireless channels. The author explores the mobile communication platform and analyzes its use in the development of a distributed database management system. Workable solutions for key challenges in wireless information management are presented throughout the text. Following an introductory chapter that includes important milestones in the history and development of mobile data processing, th
