Self-Stabilization (MIT Press)

Von Shlomi Dolev
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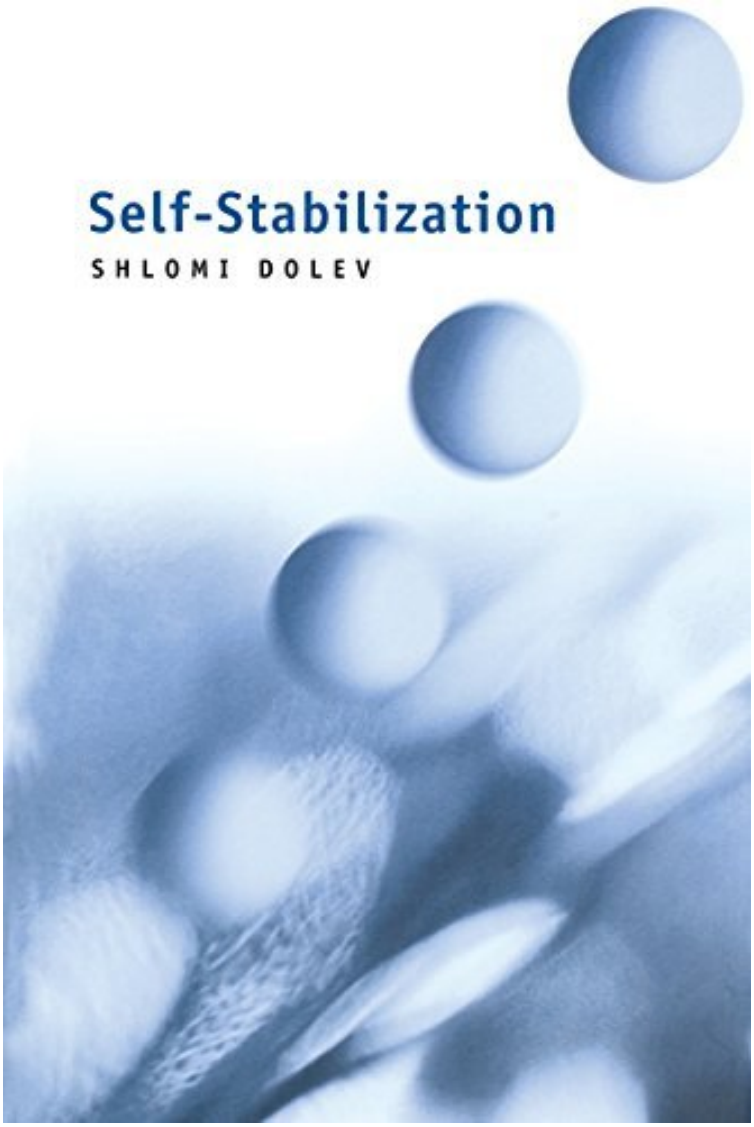

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Von Shlomi Dolev : Self-Stabilization (MIT Press) before purchasing it in order to gage whether or not it would be worth my time, and all praised Self-Stabilization (MIT Press):

KundenrezensionenHilfreichste Kundenrezensionen1 von 1 Kunden fanden die folgende Rezension hilfreich. Excellent book for an important conceptVon Chin-Tser HuangSelf-stabilization is the property of a system guaranteeing that starting from an arbitrarty state, the system will return to a legitimate state in finite steps. Since proposed by Dr. Dijkstra in 1974, self-stabilization has been a desirable property in designing distributed systems,

however this book is just the first one devoted to the introduction of this important concept. The book shows you how to appreciate the beautifulness of self-stabilization, and teaches you how to implement this property in distributed systems. A bunch of good examples are handy in the book for your guidance. I highly recommend this book to anyone who is interested in the area of distributed computing.

KurzbeschreibungSelf-stabilization, an important concept to theoreticians and practitioners in distributed computing and communication networks, refers to a system's ability to recover automatically from unexpected faults. In this book Shlomi Dolev presents the fundamentals of self-stabilization and demonstrates the process of designing self-stabilizing distributed systems. He details the algorithms that can be started in an arbitrary state, allowing the system to recover from the faults that brought it to that state. The book proceeds from the basic concept of self-stabilizing algorithms to advanced applications.