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Sommario/riassunto

"This book provides an advanced level queuing theory guide for students with a strong mathematical background who are interested in analytic modeling of communication networks. It begins with the basics of queueing theory before moving on to more advanced levels. The topics covered in the book and their organization and presentation come out of research work, project development, teaching activity and discussions drawn from the author's professional experience. Topics are selected for their relevance, so as to provide a consistent view of most useful models. Examples are taken from real technical problems or engineering applications of interest to current and foreseeable future systems (e.g., LTE, Wi-Fi, ad-hoc networks, automated vehicles, reliability). They show how insight into real-world problems can be gained by means of quantitative modeling"--