

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9910957276903321 |
| Autore | Gautam Natarajan |
| Titolo | Analysis of queues : methods and applications // by Natarajan Gautam |
| Pubbl/distr/stampa | Boca Raton, FL : , : CRC Press, an imprint of Taylor and Francis, , 2012 |
| ISBN | 1-04-005599-0 0-429-09359-4 1-4398-0659-4 |
| Edizione | [First edition.] |
| Descrizione fisica | 1 online resource (788 p.) |
| Collana | Operations Research Series |
| Classificazione | BUS049000MAT029010TEC020000 |
| Disciplina | 519.82 |
| Soggetti | Queuing theory |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Front Cover; Dedication; Contents; Preface; Acknowledgments; Author; List of Case Studies; List of Paradoxes; 1. Introduction; 2. Exponential Interarrival and Service Times: Closed-Form Expressions; 3. Exponential Interarrival and Service Times: Numerical Techniques and Approximations; 4. General Interarrival and/or Service Times: Closed-Form Expressions and Approximations; 5. Multiclass Queues under Various Service Disciplines; 6. Exact Results in Network of Queues: Product Form; 7. Approximations for General Queueing Networks 8. Fluid Models for Stability, Approximations, and Analysis of Time-Varying Queues9. Stochastic Fluid-Flow Queues: Characteristics and Exact Analysis; 10. Stochastic Fluid-Flow Queues: Bounds and Tail Asymptotics; Appendix A: Random Variables; Appendix B: Stochastic Processes; References |
| Sommario/riassunto | Written with students and professors in mind, Analysis of Queues: Methods and Applications combines coverage of classical queueing theory with recent advances in studying stochastic networks. Exploring a broad range of applications, the book contains plenty of solved problems, exercises, case studies, paradoxes, and numerical examples. |