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| Autore                  | Colgren Richard D (Richard Dean)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Titolo                  | Basic MATLAB, Simulink, and Stateflow / / Richard Colgren                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Collana                 | AIAA education series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Disciplina              | 620.001/13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Soggetti                | Computer simulation - Computer programs<br>Engineering mathematics<br>Aeronautics - Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Note generali           | Bibliographic Level Mode of Issuance: Monograph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nota di contenuto       | Cover -- Title -- Copyright -- Foreword -- Table of Contents -- Preface -- Acknowledgements -- Basic MATLAB -- Chapter 1. Introduction to MATLAB -- Chapter 2. Plotting and Graphics -- Chapter 3. Introduction to MATLAB Toolboxes -- Chapter 4. Introduction to MATLAB Cells, Structures, and M-Files -- Chapter 5. Handle Graphics and User Interfaces -- Chapter 6. Introduction to MATLAB MEX-Files -- Basic Simulink -- Chapter 7. Brief Introduction to Simulink and Stateflow -- Chapter 8. Introduction to Simulink -- Chapter 9. Building a Simple Simulink Model -- Chapter 10. Building Simulink Linear Models -- Chapter 11. LTI Viewer and SISO Design Tool -- Chapter 12. Building a Multiple-Input, Multiple-Output Simulink Model -- Chapter 13. Building Simulink S-Functions -- Basic Stateflow -- Chapter 14. Introduction to Stateflow -- Appendix A. History of MATLAB and The MathWorks, Inc. -- Appendix B. Tuning MATLAB, Simulink, and Stateflow Solvers -- Appendix C. MATLAB, Simulink, and Stateflow Quick Reference Guide -- Bibliography -- Index. |
| Sommario/riassunto      | This self-contained instruction package takes a practical approach to programming in MATLAB and modeling in Simulink and Stateflow for aerospace and other engineering applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

