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Nota di contenuto	Frontmatter -- Preface -- Contents -- Chapter 1. Introduction on chemical reactors modeling -- Chapter 2. Batch reactors for homogeneous catalysis -- Chapter 3. Batch reactors for heterogeneous catalysis -- Chapter 4. Ideal single-phase continuous reactors for homogeneous catalysis -- Chapter 5. Real reactors for heterogeneous catalysis -- Chapter 6. Packed bed reactors -- Chapter 7. Parameters estimation -- Chapter 8. Statistical techniques applied to chemical processes -- Chapter 9. Case studies in chemical reaction engineering -- Word Index
Sommario/riassunto	Offers the reader a modern approach to reactor description and modelling. Using the widely applied numerical language MATLAB, it provides the reader with categorized groups of general code for a wide variety of chemical reactors. Being designed as a tool for researchers and professionals, the code can easily be extended and adapted by the reader to their own specific problems.