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| ISBN                    | 3-031-47483-X   |
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| Descrizione fisica      | 1 online resource (143 pages)   |
| Disciplina              | 620.00151   |
| Soggetti                | Engineering mathematics<br>Mathematics<br>Mathematical analysis<br>Mathematical optimization<br>Calculus of variations<br>Differential equations<br>Engineering Mathematics<br>Integral Transforms and Operational Calculus<br>Calculus of Variations and Optimization<br>Differential Equations  |
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| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di contenuto       | Problems: Multivariable Functions -- Solutions of Problems:<br>Multivariable Functions -- Problems: Lines, Surfaces, and Vector Functions -- Solutions of Problems: Lines, Surfaces, and Vector Functions -- Problems: Multivariable Integrals -- Solutions of Problems: Multivariable Integrals -- Problems: Vector Fields and Line and Surface Integrals -- Solutions of Problems: Vector Fields and Line and Surface Integrals -- Problems: Vectors and Vector-valued Functions -- Solutions of Problems: Vectors and Vector-valued Functions. |
| Sommario/riassunto      | This study guide is designed for students taking a Calculus III course. The textbook includes examples, questions, and practice problems that will help students to review and sharpen their knowledge of the subject and enhance their performance in the classroom. The material covered  |

in the book includes linear algebra and analytical geometry; lines, surfaces, and vector functions in three-dimensional coordinate systems; multiple-variable functions; multiple integrals and their applications; line integrals and their applications. Offering detailed solutions, multiple methods for solving problems, and clear explanations of concepts, this hands-on guide will improve students' problem-solving skills and foster a solid understanding of calculus, which will benefit them in all of their calculus-based courses. Exercises cover a wide selection of basic and advanced questions and problems; Arranges problems by difficulty level, catering to both well-prepared and less-experienced students; Provides detailed and instructor-recommended solutions and methods, along with clear explanations.

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