

1. Record Nr.	UNINA9910483963103321
Autore	Davvaz Bijan
Titolo	Examples and Problems in Advanced Calculus: Real-Valued Functions / / by Bijan Davvaz
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-9569-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (IX, 382 p. 77 illus., 70 illus. in color.)
Disciplina	515
Soggetti	Mathematical analysis Mathematical optimization Analysis Optimization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Sets, numbers and functions -- Limits and continuity -- Derivatives -- Optimization problems -- Integrals -- Applications of integrations -- Sequences and series.
Sommario/riassunto	This book includes over 500 most challenging exercises and problems in calculus. Topical problems and exercises are discussed on set theory, numbers, functions, limits and continuity, derivative, integral calculus, Rolle's theorem, mean value theorem, optimization problems, sequences and series. All the seven chapters recall important definitions, theorems and concepts, making this book immensely valuable to undergraduate students of engineering, mathematics, statistics, computer science and basic sciences.