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	Titolo	Chronobiology : The Science of Biological Time Structure
	Pubbl/distr/stampa	IntechOpen
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910794881903321
	Autore	Geveci Tunc
	Titolo	Intermediate calculus : infinite series / / Tunc Geveci
	Pubbl/distr/stampa	New York, [New York] (222 East 46th Street, New York, NY 10017) : , : Momentum Press, , 2016
	ISBN	1-60650-867-9
	Descrizione fisica	1 online resource (iv, 146 pages) : illustrations
	Disciplina	515
	Soggetti	Calculus Series, Infinite Libros electronicos.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Co-published with Cognella Academic Publishing. Includes index.
	Nota di contenuto	1. Approximation of arbitrary functions using Taylor polynomials -- Taylor polynomials based at 0 -- Taylor polynomials based at an arbitrary point -- 2. Error in approximation using Taylor polynomials -- The error in the approximation by a Taylor polynomial -- The limit as the order of Taylor polynomial increases -- 3. Introduction to the infinite series -- 4. Tests for absolute convergence -- The monotone convergence principle and absolute -- Convergence -- The ratio test -- The root test -- The proofs of the ratio test and the root test --

5. An introduction to power series -- The definitions -- Convergence properties of a power series -- Differentiation of functions defined by power series --

6. Using termwise integration, multiplication and division to determine Taylor series -- Termwise integration of power series -- Arithmetic operations on Taylor series -- The binomial series --

7. Testing for absolute convergence with the integral and comparison tests -- The integral test -- Error estimates related to the integral test -- Comparison tests --

8. Using conditional convergence to determine alternating series -- Alternating series --

9. An introduction to the Fourier series -- Fourier series of 2π -periodic functions -- Fourier series when the period is different from 2π --

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