An Elementary Treatise on Fourier s Series and Spherical, Cylindric, and Ellipsoidal Harmonics: With Applications to Problems in Mathematical Physics (Paperback)

By William Elwood Byerly

COSIMO CLASSICS, United States, 2007. Paperback. Book Condition: New. 212 x 136 mm. Language: English . Brand New Book ***** Print on Demand *****.First published in 1893, Byerly s classic treatise on Fourier s series and spherical, cylindrical, and ellipsoidal harmonics has been used in classrooms for well over a century. This practical exposition acts as a primer for fields such as wave mechanics, advanced engineering, and mathematical physics. Topics covered include: . development in trigonometric series . convergence on Fourier s series . solution of problems in physics by the aid of Fourier s integrals and Fourier s series . zonal harmonics . spherical harmonics . cylindrical harmonics (Bessel s functions) . and more. Containing 190 exercises and a helpful appendix, this reissue of Fourier s Series will be welcomed by students of higher mathematics everywhere. American mathematician WILLIAM ELWOOD BYERLY (1849-1935) also wrote Elements of Differential Calculus (1879) and Elements of Integral Calculus (1881).

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