



Partial Differential Equations of Mathematical Physics: Second Edition (Paperback)

By Arthur Webster

Dover Publications Inc., United States, 2016. Paperback. Condition: New. 2nd Revised edition. Language: English . Brand New Book. A classic treatise on partial differential equations, this comprehensive work by one of America s greatest early mathematical physicists covers the basic method, theory, and application of partial differential equations. In addition to its value as an introductory and supplementary text for students, this volume constitutes a fine reference for mathematicians, physicists, and research engineers. Detailed coverage includes Fourier series; integral and elliptic equations; spherical, cylindrical, and ellipsoidal harmonics; Cauchy s method; boundary problems; the Riemann-Volterra method; and many other basic topics. The self-contained treatment fully develops the theory and application of partial differential equations to virtually every relevant field: vibration, elasticity, potential theory, the theory of sound, wave propagation, heat conduction, and many more. A helpful Appendix provides background on Jacobians, double limits, uniform convergence, definite integrals, complex variables, and linear differential equations.



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