A Generalized Equation of the Vibrating Membrane Expressed on Curvilinear Coordinates: A Thesis (Classic Reprint)

By Harry M Shoemaker

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Generalized Equation of the Vibrating Membrane Expressed on Curvilinear Coordinates: A Thesis The problem of the vibrating membrane has been attacked by previous writers from the standpoint of the shape of the boundaries of the membrane, rectangular, circular, parabolic, elliptic. No attempt has been made to derive a single equation which contains all of these. Here we shall derive such an equation by the use of a general system of curvilinear coordinates. These coordinates shall be restricted only by the condition that the resulting equation shall have a solution in the form of a product of functions of the independent variables involved, each function depending only upon a single variable. In (1) put V = T.u, where T is a function of t only and u a function of x and y only. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format...

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