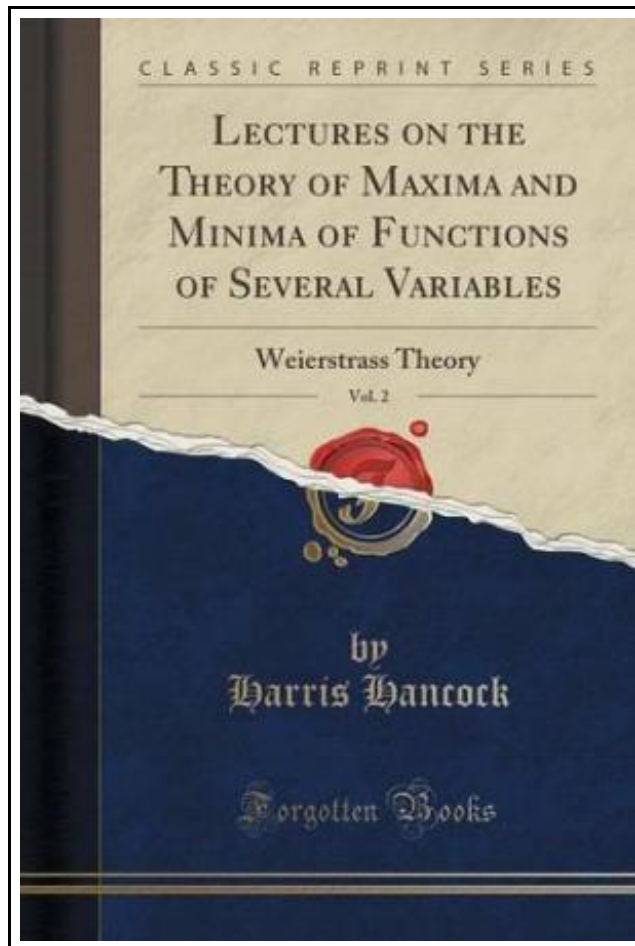


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Reviews

Extensive guide! Its this sort of very good study. It is actually full of knowledge and wisdom I found out this pdf from my i and dad suggested this ebook to understand.
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Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Lectures on the Theory of Maxima and Minima of Functions of Several Variables, Vol. 2: Weierstrass Theory In his lectures at Berlin the late Professor Weierstrass often indicated the necessity of establishing fundamental parts of the Calculus upon a more exact foundation. It has already been pointed out (Annals of Mathematics, Vols. IX., X., XI. and XII.) how the old rules and theories of the Calculus of Variations soon led to perplexities which appeared almost insurmountable. Dirichlet's Principle is found to have been established upon a weak structure, and we very soon find innumerable fallacies and difficulties when we seek to discuss in this manner Minimal Surfaces and the allied theory. These difficulties may be overcome by subjecting the problems in question to a more rigorous treatment and by giving more emphasis to their analytic formulation. In every Differential Calculus which I have seen [cf. also Pierpont, Bull. of Amer. Math. Soc., July, 1898] the Theory of Maxima and Minima is both inexact and inadequate, when several variables are treated. This subject, when made more rigorous, should evidently receive increased attention. Indeed, at the present state of mathematical science it seems that students should devote more attention to its study, for it has a high interest as a topic of pure analysis, and finds immediate application to almost every branch of mathematics. Further, the Theory of Maxima and Minima should receive more attention for its own sake - for example, in the solution of such problems as the determination of the polygon which, with a given periphery and a given number of sides contains the greatest area, the derivation of the shortest line from...



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