

<<Survey of Minimal Surfaces极小曲面研究>>

图书基本信息

书名：<<Survey of Minimal Surfaces极小曲面研究>>

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<<Survey of Minimal Surfaces>>

内容概要

A Survey of Minimal Surfaces is divided into twelve sections discussing parametric surfaces, non-parametric surfaces, surfaces that minimize area, isothermal parameters on surfaces, Bernstein's theorem, minimal surfaces with boundary, the Gauss map of parametric surfaces in E^3 , non-parametric minimal surfaces in E^3 , application of parametric surfaces to non-parametric problems, and parametric surfaces in E^n . For this edition, Robert Osserman, Professor of Mathematics at Stanford University, has substantially expanded his original work, including the uses of minimal surfaces to settle important conjectures in relativity and topology. He also discusses new work on Plateau's problem and on isoperimetric inequalities. With a new appendix, supplementary references and expanded index, this Dover edition offers a clear, modern and comprehensive examination of minimal surfaces, providing serious students with fundamental insights into an increasingly active and important area of mathematics.

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