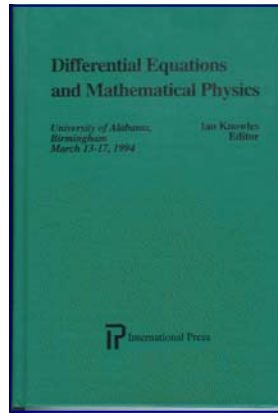


Differential Equations and Mathematical Physics

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Description

This volume is dedicated to Stefan Hildebrandt, who studied in Mainz under the Leipzig tradition of mathematical analysis. His solution to the boundary regularity question for minimal surfaces bounded by a prescribed Jordan curve brought Hildebrandt world fame. Later, he discovered an optimal existence theorem for surfaces of constant mean curvature H and a given boundary curve, and Hildebrandt solved the existence and regularity problem for harmonic maps with boundary values in a strictly convex ball. Hildebrandt collaborated on the discovery of a cusp singularity at the boundary of minimal surfaces with free or partially free boundaries.

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