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Preface

In the spring of 1984, Prof. Gu Chao-hao of Fudan University, Shanghai, P.R.C. and Prof. Tosio Kato of University of California, Berkeley, U.S.A. have visited Japan on invitations by JSPS. Taking this opportunity, a RIMS seminar was organized with the title "Theory and Applications of Nonlinear Partial Differential Equations" in order to promote the scientific exchange between those two eminent foreign professors and the Japanese mathematical public, and in order to contribute to vital aspects of the relevant fields. This booklet contains all papers, only one being an abstract, which were delivered at the seminar on various topics which surely reflect the diversity of current studies of nonlinear problems.

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非線型偏微分方程式の理論と応用

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