

TABLE OF CONTENTS

Table of Contents

Page

I. Non-linear Partial Differential Operators.

E. Binz,	Einstein's Evolution Equation for the Vacuum Formulated on a Space of Differentials of Immersions.....	2
M. Forger,	Nonlinear Sigma Models on Symmetric Spaces.	38
F.B. Pasemann,	Linearized Non-Abelian Gauge Field Theories	81
I.E. Segal,	Nonlinear Wave Equations.....	115
R.O. Wells,	The Twistor-Geometric Representation of Classical Field Theories.....	142

II. Quantization Procedures.

B. Angermann/ H.D. Doebner/ J. Tolar,	Quantum Kinematics on Smooth Manifolds.....	171
R.J. Blattner,	On Geometric Quantization.....	209
V. Guillemin/ S. Sternberg,	The Frobenius Reciprocity Theory from a Symplectic Point of View.....	242
J. Kraśkiewicz/ R. Rączka,	Quantization of Models of Quantum Field Theory with Solitons.....	257
S.M. Paneitz,	Determination of a Polarization by Non-linear Scattering, and Examples of the Resulting Quantization.....	286
J. Śniatycki,	Constraints and Quantization.....	301