

# Contents

<b>Notes on Equivariant Localization</b> Anton Alekseev . . . . .	1
<b>An Introduction to Spin Foam Models of BF Theory and Quantum Gravity</b> John C. Baez . . . . .	25
<b>T-Duality and the Gravitational Description of Gauge Theories</b> Cesar Gomez and Pedro Silva . . . . .	95
<b>Noncommutative Geometry and Basic Physics</b> Daniel Kastler . . . . .	131
<b>An Introduction to Noncommutative Geometry</b> John Madore . . . . .	231
<b>Geometric Properties of Transport in Quantum Hall Systems</b> Thomas Richter and Ruedi Seiler . . . . .	275
<b><math>q</math>-Deformed Heisenberg Algebras</b> Julius Wess . . . . .	311
<b>Abstracts of the Seminars</b> (given by participants of the school) . . . . .	383