

A First Course in Loop Quantum Gravity

El espejo de Cornelia: La obra cuentística de Silvina Ocampo (Spanish Edition), Born to Win (Made for Success Collection), MCQs in Medical Microbiology and Infectious Diseases, Piano Studies in Pop Composer Mike Schoenmehl, Secret Summer, Coloring Book Cars, Roman Cooks (1914), Promises to Keep, Sorcery In France, Stallards Eye Surgery, 7e,

The first part of the book covers all the basic background concepts needed to understand the program of loop quantum gravity, including general relativity, the generalized Hamiltonian with constraints, and canonical bodybynykki.coms: The first textbook for undergraduates on loop quantum gravity.

Apr 28, · The first part of the book covers all the basic background concepts needed to understand the program of loop quantum gravity, including general relativity, the generalized Hamiltonian with constraints, and canonical quantization.

This book provides an accessible introduction to loop quantum gravity and some of its applications, at a level suitable for undergraduate students and others with only a minimal knowledge of college level physics. In particular it is not assumed that the reader is familiar with general relativity and only minimally familiar with quantum mechanics and Hamiltonian mechanics.

Applications such as loop quantum cosmology, black hole entropy and spin foams are briefly covered. The text is ideally suited for an undergraduate course in the senior year of a physics major. It can also be used to introduce undergraduates to general relativity and quantum field theory as part of a 'special topics' type of course.

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