



# **Introduction to 3+1 Numerical Relativity (International Series of Monographs on Physics)**

*Miguel Alcubierre*

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# Introduction to 3+1 Numerical Relativity (International Series of Monographs on Physics)

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This book introduces the modern field of 3+1 numerical relativity. The book has been written in a way as to be as self-contained as possible, and only assumes a basic knowledge of special relativity. Starting from a brief introduction to general relativity, it discusses the different concepts and tools necessary for the fully consistent numerical simulation of relativistic astrophysical systems, with strong and dynamical gravitational fields. Among the topics

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