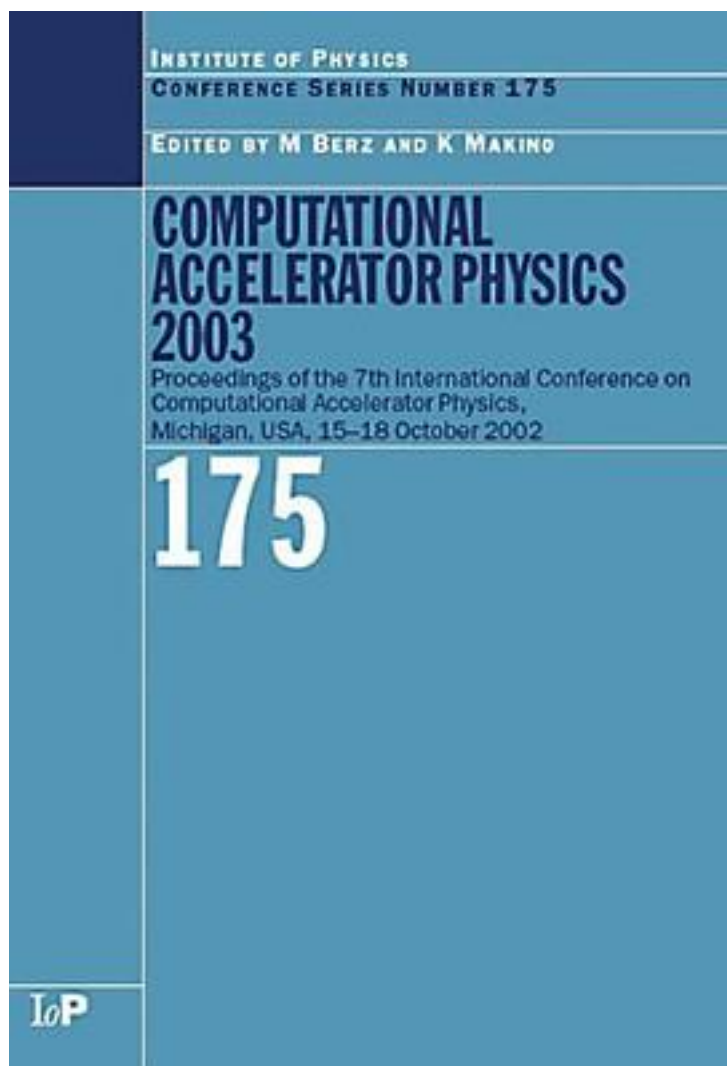


Computational Accelerator Physics 2002



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This volume provides an overview of the state of the art in computational accelerator physics, based on papers presented at the seventh international conference at Michigan State University in October 2002. The major topics covered in this volume include particle tracking and ray tracing, transfer map methods, field computation for time dependent Maxwell's equations and static magnetic problems, as well as space charge and beam-beam effects. This book also discusses modern computational environments, including parallel clusters, visualization, and new programming paradigms. It is ideal for scientists and engineers working in beam or accelerator physics and related areas of applied math and computer science.

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