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QCD and Numerical Analysis III : Proceedings of the Third International Workshop on Numerical Analysis and Lattice QCD, Edinburgh June-July 2003 00 /

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Monografía

This book reports on progress in numerical methods for Lattice QCD with chiral fermions. It contains a set of pedagogical introductory articles written by experts from both the Applied Mathematics and Lattice Field Theory communities, together with detailed accounts of leading-edge algorithms for the simulation of overlap chiral fermions. Topics covered include: QCD simulations in the chiral regime; Evaluation and approximation of matrix functions; Krylov subspace methods for the iterative solution of linear systems; Eigenvalue solvers. These are complemented by a set of articles on closely related numerical and technical problems in Lattice field Theory

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