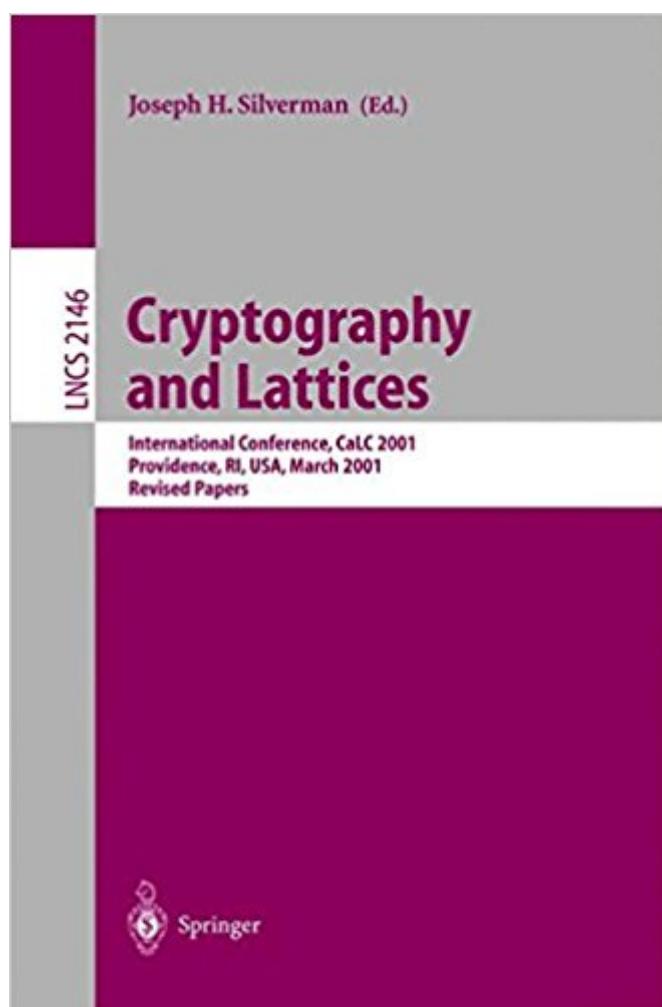


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Cryptography And Lattices: International Conference, CaLC 2001, Providence, RI, USA, March 29-30, 2001. Revised Papers (Lecture Notes In Computer Science)





Synopsis

These are the proceedings of CaLC2001, the first conference devoted to cryptography and lattices.

We have long believed that the importance of lattices

and lattice reduction in cryptography, both for cryptographic construction and

cryptographic analysis, merits a gathering devoted to this topic. The enthusiastic

responses that were received from the program committee, the invited speakers, the

many people who submitted papers, and the 90 registered participants amply

convinced the widespread interest in lattices and their cryptographic applications.

We thank everyone whose involvement made CaLC such a successful event;

in particular we thank Natalie Johnson, Larry Larrivee, Doreen Pappas, and the

Brown University Mathematics Department for their assistance and support. March 2001

Jeffrey Hoffstein, Jill Pipher, Joseph Silverman VI Preface Organization

CaLC2001 was organized by the Department of Mathematics at Brown University.

The program chair expresses their thanks to the program committee and the

additional external referees for their help in selecting the papers for CaLC2001.

The program chair would also like to thank NTRU Cryptosystems for providing

financial support for the conference. Program Committee Don Coppersmith IBM Research

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