Alekseev, E. K.; Popov, V. O.; Prokhorov, A. S.; Smyshlyaev, S. V.; Sonina, L. A.
On the performance of one perspective LSX-based block cipher. (English) Zbl 1475.94095

Summary: We consider certain performance issues related to one block cipher scheme that is based on LSX transformations. A number of software implementation tweaks that manage to improve total speed characteristics are presented, helping to understand general performance properties of the proposed scheme.

MSC: 94A60 Cryptography

Keywords: block ciphers; LSX ciphers; fast implementations of cryptographic algorithms

Software: OpenSSL; OpenCL; CUDA

Full Text: DOI MNR

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