## NON SINGULAR ELLIPTIC CURVES–FROM THEORY TO APPLICATION. ALGORITHM ATTACKS DISCUSSIONS

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**Abstract.** Let E be an elliptic curve. Starting from its definition we create a set of restrictions which helps us to realize an implementation in a real system of the theories concerning the infeasibility of the ECDL problem. We also present the implementation methods to compute the necessary parameters in such a system. **MSC 2000.** 11G07.

Key words. Elliptic curves, public key cryptography.

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