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Mining of new integrable and superintegrable systems

Modern cryptography is one of the actively developing applications of algebraic geometry. As a result, classical abstract mathematical theorems from the theory of functions, algebraic geometry, algebraic topology, number theory, etc. implemented in the form of algorithms and software, which are used in everyday life.

For example, in post-quantum cryptography, group operations on the Jacobian of an algebraic curve are combined with isogenies of algebraic curves to build cryptographic protocols underlying cryptocurrency mining, key exchange in epy network protocols — tsl, whatsapp, telegram, etc.

We want to discuss applicability of the methods developed in cryptography to construct new integrable and superintegrable systems and mappings in classical mechanics.

**SCIENTIFIC SEMINAR
“DIFFERENTIAL GEOMETRY AND APPLICATIONS”**

headed by Academician of RAS Anatoly T. Fomenko

**The seminar takes place online in ZOOM on Mondays
from 4:45 p.m. to 6:20 p.m. (Moscow time)**

The zoom-ref is provided only to registered persons

**To be registered, ask any participant of our seminar to endorse you
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