

1026-94-105

Vladimir Shpilrain* (shpil@groups.sci.ccny.cuny.edu), Department of Mathematics, The City College of New York, New York, NY 10031. *Public key exchange: a new twist in the old plot*. Preliminary report.

Recently, a lot of work has been done on generalizing various ideas of “commutative” public key cryptography to non-commutative platforms. In this talk, we do something different: we offer a “non-commutative look” on commutative platforms and show that their might be more to “commutative” cryptography than meets the eye. (Received February 20, 2007)