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**Vladimir Shpilrain\*** (shpilrain@yahoo.com). *Tropical cryptography*.

This is a survey of what has become known as "Tropical cryptography". The main underlying idea is to use a semiring with operations  $\min(x,y)$  and  $(x+y)$  instead of a ring with "usual" operations  $(x+y)$  and  $(xy)$ , respectively. In the absence of the "usual" multiplication, cryptographic protocols based on these semirings become very efficient.

This talk is based on joint works with Dima Grigoriev and Nael Rahman. (Received January 16, 2022)