

core idea

For $P \in E(\mathbb{F}_p)$ and $Q \in E^t(\mathbb{F}_p)$, don't use curve arithmetic but pairing e(P,Q) to get overlap in orders!

pairing crypto

Choose a "nice" curve E,
Choose a "nice" prime p,
to do **pairings** with

Computing e(P, Q) is quite **fast**!



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