



Speeding-up general pairings

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general notice

Computing pairings fast is quite technical.
Better suited for papers than slides

✓

general approach

Instead I describe the general approach,
and leave all details out

✓

core idea

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

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take some literature

1

implement all tricks
that apply

2

benchmark speed
and finetune

3

fast pairings