

**From:** [Moody, Dustin \(Fed\)](#)  
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**Subject:** SIDH quantum security  
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The relevant argument comes from:

<https://eprint.iacr.org/2011/506.pdf>

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## TOWARDS QUANTUM-RESISTANT CRYPTOSYSTEMS FROM SUPERSINGULAR ...

eprint.iacr.org

TOWARDS QUANTUM-RESISTANT CRYPTOSYSTEMS FROM SUPERSINGULAR ELLIPTIC CURVE ISOGENIES LUCA DE FEO, DAVID JAO, AND JEROME PLUT Abstract. We present new candidates ...

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Section 5.1, paragraph 3 (and paragraph 2).

It does seem all they do is make a general call to the claw algorithm to get the  $O(p^{1/6})$ .

Dustin