

Corrigendum: Ultrafast universal quantum control of a quantum-dot charge qubit using Landau-Zener-Stückelberg interference

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Nature Communications 4:1401 doi:10.1038/ncomms2412 (2013); Published 29 Jan 2013; Updated 13 Nov 2013

In the original version of this Article, we claimed electrical control of a quantum-dot charge qubit on a timescale orders of magnitude faster than previous measurements on electrically controlled charge- or spin-based qubits. After publication, we became aware of a related work by Dovzhenko *et al.* on charge qubits that showed electrical control on a comparable timescale. Therefore, the Abstract of this Article has now been corrected to 'Here we demonstrate complete control of the quantum-dot charge qubit on the picosecond scale'. Furthermore, the following statement has been added to the Discussion section to recognize the work of Dovzhenko *et al.*: 'A similar timescale for electrical control was also observed in ref. 27 in a quantum-dot charge qubit using non-adiabatic voltage pulses.'

27. Dovzhenko, Y. *et al.* Nonadiabatic quantum control of a semiconductor charge qubit. *Phys. Rev. B* **84**, 161302(R) (2011).