

Spin qubits for quantum simulations

Xin-hua PENG (彭新华)^{1,*}, Dieter SUTER^{2,†}

¹*Hefei National Laboratory for Physical Sciences at Microscale and Department of Modern Physics,
University of Science and Technology of China, Hefei, Anhui 230026, China*

²*Fakultät Physik, Technische Universität Dortmund, 44221 Dortmund, Germany*

*E-mail: *xhpeng@ustc.edu.cn, †Dieter.Suter@tu-dortmund.de*

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In page 6, Eq. (5) should be changed to

$$\text{CNOT} = e^{-i\delta} R_y^2\left(\frac{\pi}{2}\right) R_{zizj}(\pi) R_{-z}^1\left(\frac{\pi}{2}\right) \cdot R_{-z}^2\left(\frac{\pi}{2}\right) R_{-y}^2\left(\frac{\pi}{2}\right) \quad (5)$$