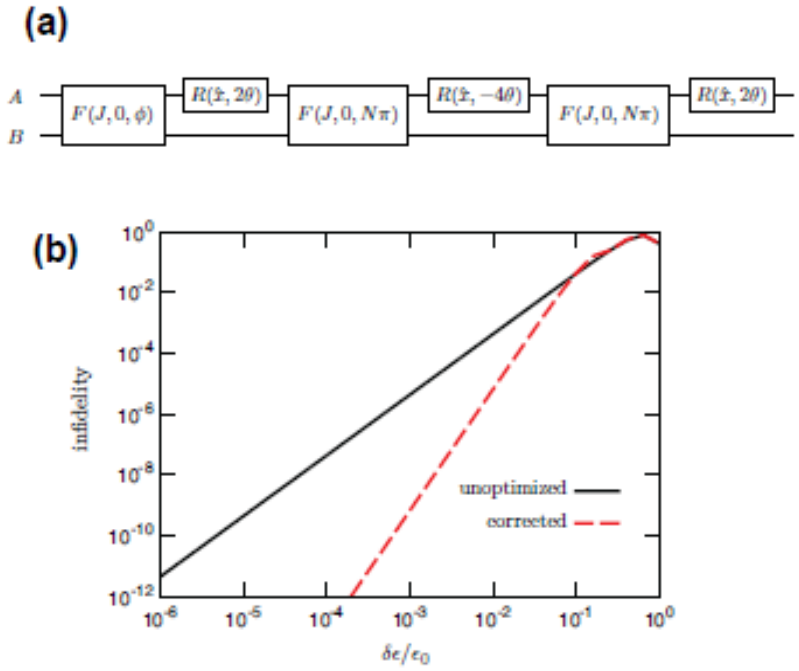
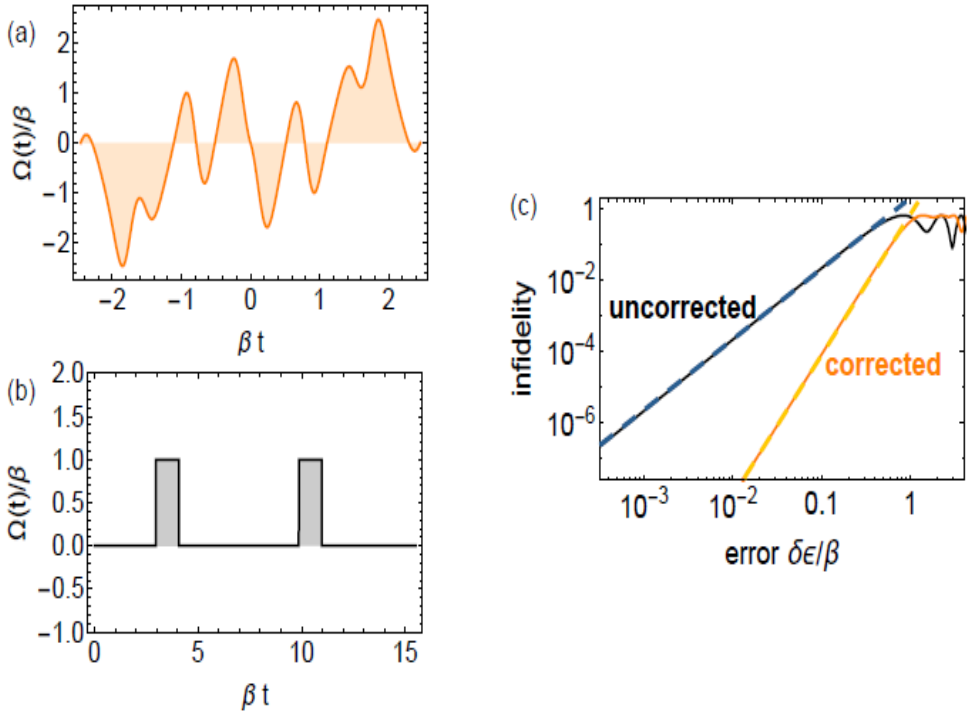
- University of Maryland Condensed Matter Theory Center (also, JQI)
- Sankar Das Sarma
- Ed Barnes, Jason Kestner, Xin Wang
- Also, Xuedong Hu, Dimi Culcer, Wayne Witzel, Luke Cywinski, Belita Koiller, Maria Calderon, Rogerio de Sousa

- Semiconductor Spin Qubits
- Theory, Simulation, Modeling
- Quantum decoherence and how to fight it
- Benchmarking
- Qubit Design and Characterization
- Dynamical Decoupling
- Falut-Tolerant Gate Operations
- Quantum Error Correction

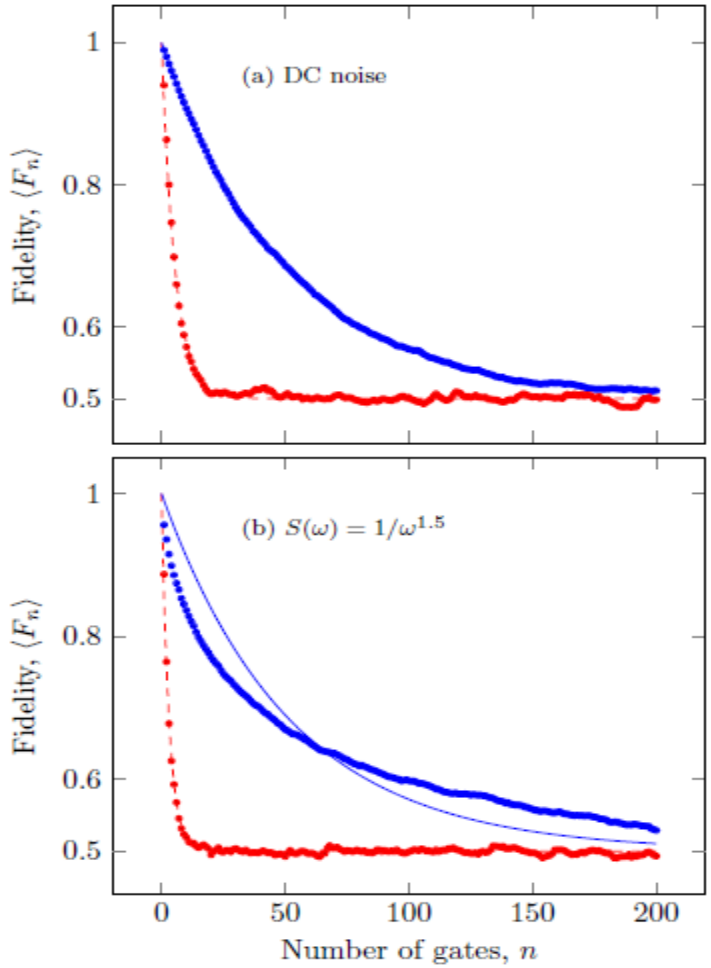
- ***All theoretical and simulational aspects of semiconductor spin quantum computation***

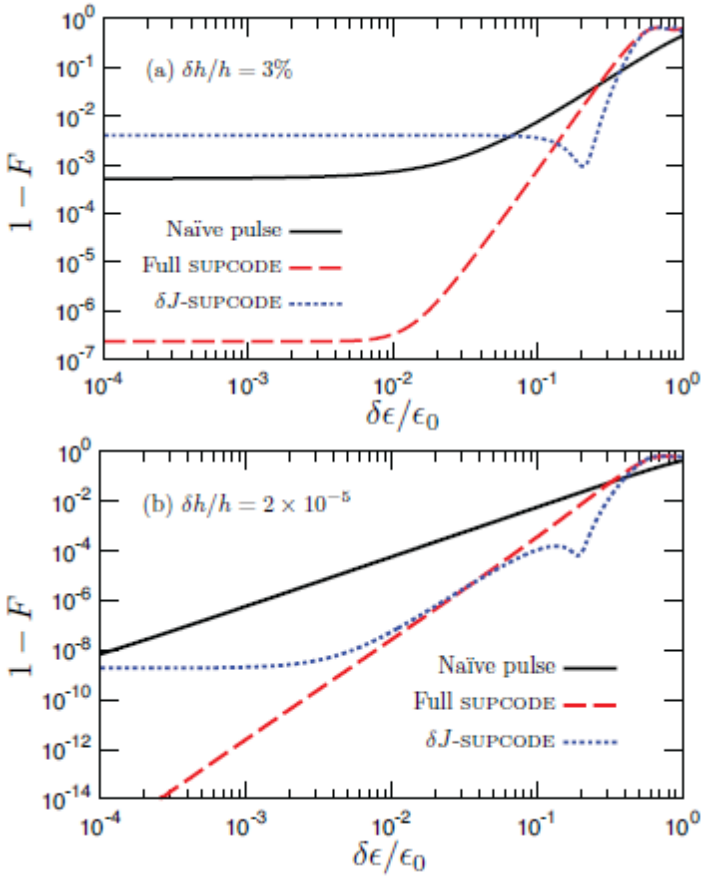


X. Wang et al. arXiv:1412.7756



E. Barnes et al. arXiv:1409.7063





X. Wang et al. arXiv:1312.4523

X. Wang et al. arXiv:1407.1555

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