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Bias Triangles Presented in Chemical Potential Space JUSTIN PERRON, Joint Quantum Institute, M.D. STEWART, JR, NEIL M. ZIMMERMAN, NIST - Natl Inst of Stds & Tech — Readout of spins in solid state electronic devices requires some form of spin-to-charge conversion. In several systems this is achieved by exploiting Pauli-spin blockade (PSB). A prerequisite to studies of PSB is a strong understanding of the measured bias triangles in the absence of blockade. To this end we present measurements of bias triangles in four different biasing configurations. Thorough analysis of the data allows us to present data from four different bias configurations on a single plot in chemical potential space. This presentation allows comparisons between different biasing directions to be made in a clean and straightforward manner. This ability will be useful for investigations into PSB where these comparisons are paramount.

Justin Perron
NIST - Natl Inst of Stds & Tech

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