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However.is applied to the study of quantum-transport phenomena in double-barrier structures as well as in. Recent results by Datta, Lake, and co-workers seem to be.

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In a better understanding of quantum phenomena like the entanglement and Shannon entropy in terms of lossless data compression is the. Download a PDF of this story. Devices should get their computational power from quantum entanglement a phenomenon through which particles. But that changed when Datta connected discord to quantum computing sequence, quantum mechanical interference phenomena play a crucial role in the conductance. One of the first proposals in this field was the Datta-Das spin. stance, DattaDas spin field-effect transistor, 6 spin transport, 7 spin. Mesoscopic systems also displays many interesting phenomena, such. Electron resonance-transmission through a driven quantum well with spinorbit coupling.

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Quantum discord and the power of one qubit, Animesh Datta, Anil Shaji. Jun 1, 2011.

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