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**Investigation of Nonlinear Differential Conductance in NdNiO<sub>3</sub>**

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[1] Son, Junwoo, Bharat Jalan, Adam P. Kajdos, Leon Balents, S. James Allen, and Susanne Stemmer. “Probing the Metal-Insulator Transition of NdNiO<sub>3</sub> by Electrostatic Doping.” *App. Phys. Lett.* 99, 192107 (2011).

[2] Fursina, A.A., R.G.S. Sofin, I.V. Shvets, and D. Natelson. “The Origin of Hysteresis in Resistive Switching in Magnetite is Joule Heating.” *Phys. Rev. B* 79, 245131 (2009).

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