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Spin-transfer oscillators in the effective planar approximation[1]
YA. B. BAZALIY[2], University of South Carolina — Spintronic devices with dominating easy plane anisotropy can be described in an effective planar approximation of the LLG equation. In particular, the effective equation can be used to study the spin-transfer oscillators. We use this approach to study the transitions of the oscillator excited by a combination of an AC and a DC electric currents between the small and large amplitude regimes.

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