

Abstract Submitted  
for the MAR15 Meeting of  
The American Physical Society

**Polarization rotation of microwaves in ferromagnets subjected to spin torque**<sup>1</sup> YAROSLAW BAZALIY, University of South Carolina — It is well known [1] that microwaves propagating through a ferromagnetic material experience a resonance increase of polarization rotation (Faraday and Kerr effects) near the ferromagnetic resonance frequency. Here we study how this effect is modified in the presence of spin torques acting on magnetization. [1] C. L. Hogan, Rev. Mod. Phys. **25**, 253 (1953).

<sup>1</sup>Supported by NSF grant DMR-0847159

Yaroslav Bazaliy  
University of South Carolina

Date submitted: 13 Nov 2014

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