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Probing magnetization with photovoltage

Md Afzalur Rab, David W. Keene, and Natalia Noginova

[Author Information](#) 

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Abstract

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Abstract

Photovoltages in permalloy metasurfaces are studied as the functions of light intensity and magnetic field. At certain fields, the photovoltage has non-linear and irreversible dependence on intensity, indicating the possibility to switch magnetization with light.

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