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Fabrication and Microwave Properties of Arrays of Nanorods with Varying Aspect Ratios ZACHARY DAVIS, NICOLAS SMALLWOOD, ANDRIY VOVK, MINGHUI YU, LESZEK MALKINSKI, Erskine College — Nanorods have been shown to absorb varying wavelengths of microwaves based on the aspect ratio of the rods. We have successfully fabricated these arrays and measured the absorption associated with these arrays using ferromagnetic resonance (FMR). Measurements show that we have achieved an absorption range of about 300 Oersteds (fig. 10).

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