

Abstract Submitted
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Visualizing Magnetism with Optical Ferrofluid Cells MICHAEL SNYDER, University of Louisville — a novel technique for the visualization of magnetic fields. The ferrofluid cells are made up of two optically flat windows with a layer of Fe₃O₄/Fe₂O₃ ferrofluid between the glass. Using different magnet configurations and lighting, highly structured pictures are obtained of one of the universes forces. Characterized as the magneto-optic Kerr/displacement current effect on self assembled micrometer sized helical rods of Fe₃O₄/Fe₂O₃.

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