

Abstract Submitted
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Phase Transitions within Ferrofluid and Piezoelectric fluid BRYAN
WOFFORD, University of Central Arkansas — Ferrofluids and piezoelectric fluids
undergo phase transitions under the action of magnetic and electric fields, respec-
tively. These materials are simple metamaterials. We are in the process of probing
the properties of ferrofluids ultrasonically. Preliminary results and experimental
designs will be presented.

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