

Abstract Submitted
for the MAR11 Meeting of
The American Physical Society

Magneto-resistance based First Order Reversal Curve (MR-FORC) analysis of MgO based MTJs JOSHUA POMEROY, JOHN READ¹, National Institute of Standards and Technology (NIST) — MR-FORC utilizes partial magneto-resistance hysteresis loops to reveal the coercive and interaction field distributions in the free layer of MgO based magnetic tunnel junctions. The interpretation of the FORC diagrams will be discussed with emphasis on the identification of coercive values, the interlayer exchange properties, the magnetic after-effect and a reversible magnetic instability under study.

¹Now at Hitachi Global Storage

Joshua Pomeroy
National Institute of Standards and Technology (NIST)

Date submitted: 19 Nov 2010

Electronic form version 1.4