

MAR14-2014-020784

Abstract for an Invited Paper
for the MAR14 Meeting of
the American Physical Society

Theoretical Studies on Dynamical Phenomena of Magnetic Skyrmions

MASAHITO MOCHIZUKI, Aoyama Gakuin University

We discuss our recent results of theoretical studies on the dynamical phenomena of magnetic skyrmions in chiral-lattice magnets. The topics are;

1. electric-current-induced dynamics of skyrmions
2. resonant excitations and microwave diode effect of skyrmions
3. electric-field generation of skyrmions.