

Excitation of spin waves in thin film magnetic structures

V.V. Kruglyak,¹ C.S. Davies,¹ and F.B. Mushenok¹

¹*University of Exeter, United Kingdom*

We will describe and provide demonstrations for the Schlomann mechanism of spin wave excitation from graded magnonic index landscapes in thin film magnetic structures driven by microwave magnetic fields. In particular, we will show that different variations of this mechanism of spin wave excitation are responsible for several recent high-profile experimental observations.

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