

# **Characterization of soft magnetic materials by inductance spectroscopy and magnetoimpedance**

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The magnetization dynamics of soft ferromagnetic materials can be resolved by a combination of measurements (frequency, AC field amplitude, DC field, geometry, temperature). Since such magnetization processes are controlled by a combination of key parameters (magnetocrystalline/induced anisotropies, defect structure, grain/micro/nanostructure, etc), a correlation between measurements and parameters can now be established. In this paper, we present an analysis methodology which allows a characterization of soft ferromagnetic materials, as well as some relevant examples.