

Static Hysteresis modelling of FeSi GO in rolling and transverse directions

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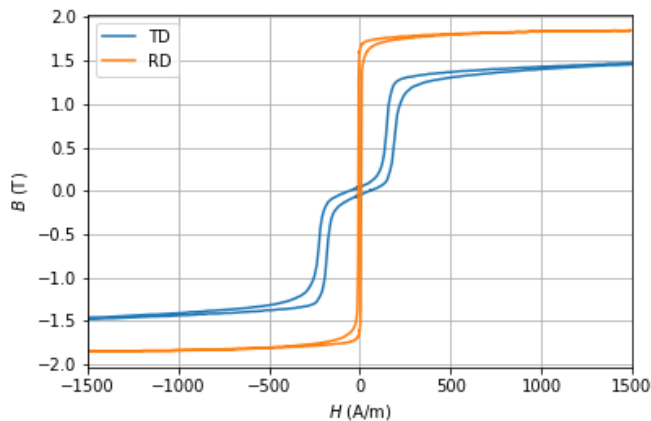
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In order to predict magnetic losses or magnetic waveforms in GO FeSi sheets when excited in both rolling (RD) and transverse direction (TD), engineers need an efficient vectorial hysteresis model.

One of the last developed model which has a lot of desirable properties is a vector play model (VPM) firstly introduced by Bergqvist [1] such as being intrinsically vectorial. Efficient identification protocols [2,3] exist to identify the cells parameters.

This paper will modify and test this last model in order to predict magnetic quantities in rolling and transverse directions of FeSi GO magnetic materials.



References:

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