

Modeling the hysteresis loop using hyperbolic $T(x)$ model in nanocomposite material

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In the paper are presented possibilities of hysteresis loop decomposition of (Nd, Tb)-Fe-B alloy, onto the reversible and irreversible magnetization components. Both types of components are describing processes, which are influencing reversal magnetization in studied permanent magnets. Further, these components are used for model the recoil curves and series of minor hysteresis loops using modified hyperbolic $T(x)$ model.