

MODELING OF STATIC HYSTERESIS OF SOFT MAGNETIC MATERIAL

Summary – Modeling the static hysteresis of magnetic material is a problem of which scientists are taking care for many years. At that time a lot of different mathematical models appeared, taking into account the specificity of the structure of magnetic material. Some of these models have the reduced scope of the applicability, whereas others let for modeling the hysteresis under wide change of maximum value of the induction. The paper introduces the mathematical description of a few most popular models of the static hysteresis of soft magnetic material.