

THE HYSTERESIS MODELLING OF MAGNETIC MATERIAL WITH HELP OF THE PREISACH MODEL

Summary – In paper problems of the hysteresis loop modelling of magnetic material were introduced. The utilization one of the most popular models, the Preisach model, was discussed. It was pointed that the model has different mathematical forms with respect to the kind of analysis (static analysis or dynamic analysis), as well as, changes of parameters of this model were shown in dependence on the current point of work (external enforcement in definite point of work). The paper concerns the modelling of the hysteresis loop of soft magnetic materials, possessing crystalline structure.