عنوان مقاله:
Fast and Perfect Damping of Ferroresonance Oscillations in Coupling Capacitor Voltage Transformers

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خلاصه مقاله:
This paper investigates the effect of two types of the ferroresonance suppression circuits (FSC) on fast suppression of the phenomenon of ferroresonance in coupling capacitor voltage transformers (CCVT). The magnetizing inductance of step down transformer is precisely modeled for factual simulation of ferroresonance oscillations in CCVT. It will be shown that by means of fine-tuning of suppression circuits using least squares curve fitting method, the transient response of the CCVT during faults and switching incidents can be improved in addition to fast suppression of ferroresonance oscillations. The effect of passive overvoltage protection device on limiting the overvoltages during ferroresonance oscillations is also investigated.

کلمات کلیدی:
CCVT, Ferroresonance, Least squares curve fitting

لینک نتیجه نهایی مقاله در پایگاه سیویلیکا:
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