

ON THE SHORT-CIRCUIT TRANSIENT REGIME OF THE LINEAR CURRENT TRANSFORMER WITH TWO-STAGES

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The behavior of the two-stages linear current transformer in the short-circuit transient regime is studied. With this end in view there are written and solved the differential equations that characterize the operation of the two-stages of the transformer in the specified regime. It is demonstrated that, in the short-circuit regime, the less the load parameters, R_s , L_s values, the less the errors of the two-stages transformer.