

Model Implementation on Embedded Hardware

A model describing the input/output behaviour of a Current Transformer (CT) is available as a set of nonlinear differential equations. For the purpose of quality assurance it is beneficial to have a digital representation of a CT. In this thesis the technical feasibility and necessary steps for iteratively solving the equations on an embedded hardware will be considered. Special focus needs to be applied to the real time applicability of the numerical solver.

This project includes the following tasks:

- Design of the necessary software components
- Theoretical discussion about suitable numerical solvers
- Implementation of the proposed concept

Start: today ☺

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