



Bachelor thesis opponent's review

Master thesis: Power System Stability Maintaining and Control

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Thesis opponent: Ing. Jakub Ehrenberger

Rating (1 – 5)
(1 = best; 5 = worst):

1. Fulfillment of assignment requirements:	<input type="text" value="1"/>
2. Systematic solutions of individual tasks:	<input type="text" value="1"/>
3. Ability to apply knowledge and to use literature:	<input type="text" value="1"/>
4. Thesis formal and language level:	<input type="text" value="3"/>
5. Thesis readability and structuring:	<input type="text" value="2"/>
6. Thesis professional level:	<input type="text" value="2"/>
7. Conclusions and their formulation:	<input type="text" value="2"/>
8. Final mark evaluation (A, B, C, D, E, F):	<input type="text" value="B"/>

verbal:

Very good

Brief summary evaluation of the thesis (compulsory):

The thesis deals with power system stability and control. The work is divided into two parts. In the first part, design, stability and control of power system is described and in the second part, evaluation of measured frequency data is performed.

The work is clear and readable, but right numbered equations could be a better choice, some parts could be described more precisely, and sometimes there is no figure and table description. In chapter Oscillations, measured data are evaluated and labeled, but there is no scheme corresponding with labels to show the measurements location.

Questions:

1. In equation 3.1 for active power flowing from the generator to the network, only imaginary part of impedance between generator and network is assumed. Is there any change in the equation if also resistance is assumed?

Date:

Signature: