

Abstract Submission Form

Title: Modeling of proposed Single Machine distribution network using Modelica and Open IPSL

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Abstract: The proposed model consists of one generator (the machine) connected to power lines and transformers which is supplying power to various loads. The submitted model implemented in Modelica language using open IPSL package, presents simulation scenario of fault at one of buses, and generator does not have any controller. The fault duration is of 0.4 sec (starting from 4.6 sec to 5 sec). Simulation obtained shows voltage and current profiles.