Title: Modelling and Simulation of 37 Bus Systems using OpenModelica and OpenIPSL

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Abstract:

This case models a 37-bus, 9-generator power system containing three different voltage levels (345 kV, 138 kV,and 69 kV) with 57 transmission lines. The submitted model implemented in OpenModelica language using OpenIPSL package. Faults are simulated at buses for different intervals of time. Simulation obtained shows voltage profiles at various buses for different cases.