

Abstract Submission Form Title

Modelling of 6 BUS Power system under variable load using OpenIPSL

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Abstract:

The submitted model, simulated in Modelica language, presents a 6 bus system which consists of three PV generators at bus 2, bus 3 and bus 6, 3 PQ loads and an infinite bus. A variation in PQ load is introduced at BUS 5 starting from 4 sec for duration of 1 sec. The output shows how the voltage profile is varied at the buses when the disturbance in the load is created. The bus voltage profile remains in the state of equilibrium after the variation is stabilised.-