

**Title: Dynamic Study of 69 Bus Radial Networks with Distributed  
Generation Using OpenModelica and OpenIPSL**

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**Abstract:**

The simulation represents Modeling and load flow analysis of radial distribution network of 69 bus system. In this test case, interconnected distribution system with 1 generator and 69 buses are connected in radial distribution network. By modelling and simulation, here we can observe in 1-generator 69-bus, continuous changing of the load demand for active and reactive power. The simulation also represents the dynamic study of 69 bus radial distribution network.