

Title: Fault Analysis of 5 bus System using open IPSL Library in Openmodelica

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Abstract:

The 5 bus Power system consist of two generating units. The aim of the model is to simulate a 2 generator 5 bus system in the Openmodelica software using open IPSL library under faulty condition. The Purpose of the power system simulation is to study the stability of the system under faulty conditions and to know the performance of the system by introduction of fault at various Location.