

Load Flow Analysis of 5-IEEE Bus Test System Using Matlab

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Abstract : A power flow analysis is a steady-state study of power grid. The goal of power flow analysis is to determine the voltages, currents, and real and reactive power flows in a system under a given load conditions. In this paper, the load flow analysis program by Newton Raphson polar coordinates Method is developed. The effectiveness of the developed program is evaluated through a simple 5-IEEE test system bus by simulations using MATLAB.

Keywords : power flow analysis, Newton Raphson polar coordinates method

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