Abstract

The main Objective of this research work is to develop a simple load flow calculator in LabVIEW for three phase power system Network. LabVIEW based load flow calculator has been chosen as the main platform because it is a user friendly and easy to apply in Power Systems. This research work is designed to concurrently familiarize the power system engineers with the use of LabVIEW with electrical power systems. This proposed work will discuss design and development of the interactive instructional virtual instrument (VI) modules in power systems load flow solutions. In the proposed model load flow has been carried out based on gaussseidal method and model has been developed such that it can accommodate latest versions of load flow algorithm.


Index Terms

Computer Science

Power Systems

Keywords

Load flow analysis, Gauss-seidal method, LabVIEW, Three phase power system network