ECONOMIC DISPATCH OF GENERATED POWER WITH MODIFIED LAMBDA-ITERATION METHOD

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MOHAMMAD DZUL HAFIZIN BIN MOHD NOOR

Faculty of Electrical Engineering

Universiti Teknologi Mara

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ABSTRACT

Economic dispatch is a procedure to determine the optimal output from the electricity generation facilities in order to fulfill the demand. The objective is to minimize generation cost of the system while satisfying the constraints. In this study, the economic load dispatch problem is solved using modified Lambda-iteration method. The proposed method is tested on six generation unit system and the results show that this method can solve economic dispatch problem with satisfactory results.

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