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The Analysis of the Sensitivity of the Active Power Losses in Relation to the Bus Powers

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Abstract

In the context of the depletion of energy resources based on the fossil fuels, the transition to the renewable energy sources is inevitable. In order to minimize the power and the energy losses, it is technically and economically efficient to connect these sources to the distribution networks directly in the vicinity of electrical loads, being called distributed generation sources. It is very important to establish the optimal buses for connecting these sources.

Keywords: renewable energy sources, energy loss, energy resources

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