

Therefore, in order to further improve the effect of power flow calculation; this study designed a new dynamic interval power flow calculation method based on the Monte Carlo algorithm ...

This paper, based on the characteristics of DC systems, simplifies the correction equations of the unified iteration method and proposes a power flow calculation model for hybrid ...

This paper discusses about the analysis of power flow in microgrid's islanded mode of operation based on traditional Gauss-Seidel method and explains about the modifications to be performed on the ...

Therefore, a novel stochastic power flow calculation and optimal control method for the microgrid based on multivariate stochastic factors fusion-sensitivity (MSFF-sensitivity) is proposed in ...

A novel power flow analysis method based on the conventional Gauss-Seidel method for a low-voltage, short distance, islanded microgrid in which line resistance is more than the line reactance.

The numerical experiments of micro-grid show that considering the non-smooth constraints can effectively improve the accuracy of power flow calculation. In addition, the PLM method has better ...

For this reason, this study proposes a method for PFC considering the harmonic power based on the models for the microgrid system and harmonic sources (e.g. rectifier device), the ...

per establishes a probabilistic power flow model for micro-grid systems. The probabilistic power flow solving algorithm we propose is based on  $\ell_1$ -minimization, which effectively improves the computing ...

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