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Power System Dynamics: Stability and Control, Second Edition, John Wiley & Sons Ltd, 2012, 629 pages Jan Machowski, Warsaw University of Technology, Poland Janusz W. Bialek, University of ...

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inertia and control strategy on power system stability. The authors--noted experts on the topic--cover a range of new and expanded topics including:

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n the system, and develop corresponding strategies power system stability analysis, the mathematical models of system components not only directly relate to the analysis results, but also have a significant effect on the complexity of the analysis. Therefore, if appropriate mathematical models for each system component are developed,

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P. C. Krause, Analysis of Electric Machinery, McGraw-Hill, 1986. M. Pavella, D. Ernst and D. Ruiz-Vega Power System Transient Stability Analysis and Control, Kluwer Academic Publishers, 2000.

In addition, the third edition focuses on simulations that utilize digital computers and commercial simulation tools, it offers an introduction to the concepts of the stability analysis of linear systems together with a detailed formulation of the system state matrix.

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