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Lysenko L., Danylova O., Fedorchuk S.

PRACTICAL METHODS OF POWER SYSTEM STEADY-STATE ANALYSIS

**Study Guide for practical Classes
for Students of Specialty 141
«Power engineering, Electric Engineering and Electromechanics»
«Electric Power System» Department
for full-time and distance education**

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ

НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ
«ХАРКІВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ»

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The study guide presents and illustrates with examples application of mathematical apparatus to power system steady-state analysis. Practical techniques for computing DC and AC power system steady-state parameters in MS Excel and modeling steady-state operation in Matlab Simulink are described.

The study guide is intended for students of Electric Power Engineering, Electrical Engineering and Electromechanics specialization and post-graduate students of Power Engineering specialties.

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