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linear sensitivity analysis; LP methods with real power variables only - LP method with AC power flow variables and detailed cost functions - security constrained optimal power flow - Interior point ... Singh L.P., "Advanced power system analysis and dynamics", 3rd Ed., Wiley eastern, New . Delhi, 2015. CO-PO MAPPING:

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Power systems have evolved from the original central generating station concept to a modern highly interconnected system with improved technologies affecting each part of the system separately. The techniques for analysis of power systems have been affected most drastically by the maturity of digital computing.

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