CHAPTER 60

TECHNOLOGY
ELECTRICAL ENGINEERING

Doctoral Theses

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Abstract

Attempts to investigate systematically the development of a new modeling strategy which minimizes the revision of the original software codes requires to incorporate the VSC based FACTS controllers in an existing Newton-Raphson power flow algorithm. In the proposed strategy, an existing power system network installed with VSC based FACTS device(s) is transformed into an equivalent augmented network, without any FACTS device.

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