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Transient stability

enhancement of multi-
machine power systems
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controller has been

discussed in [7]. Power
system stability

enhancement by

damping and control of
SSR (Subsynchronous
resonance) using large

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scale PV-plant has been discussed in [8], [9]. In [10], a large scale PV system is controlled for the alleviation of power system oscillations.

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controller has been discussed in [7]. Power system stability enhancement by damping and control of SSR (Subsynchronous resonance) using large scale PV-plant has been discussed in [8], [9]. In [10], a large scale PV system is controlled for the alleviation ...

Stability Enhancement

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Of Multi Machine

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Stability Enhancement of

a Multi-machine System

using a Generalized

Unified Power Flow

Controller (GUPFC) Ha

Thi Nguyen, Li Wang. ...

The proposed GUPFC is

designed to contribute

adequate damping

characteristics and

enhance power quality of

the studied multi-

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Of Multi
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machine system under
various operating
conditions using
MATLAB/SIMULINK
toolbox. A time ...

Stability Enhancement of
a Multi-machine System
using a ...

Due to the extensive use
of PSS as a stability
controller, various
techniques have been
used for its design . In , a

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chaotic optimization algorithm (COA) is used for PSS parameter design for multi-machine system suffering from severe fault conditions. The proposed method had superiority in damping the oscillations over other conventional and General Algorithm (GA) based PSS design.

Amended GWO

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Stability

approach based multi-machine power system ...
Stability Enhancement of Multi-Machine Power System interconnected with Wind and PV plants Using Fuzzy Logic-based FACTS Controller About Hashema M El-Sayed¹, Hassan A Sayed², Ahmed A Zaki Diab^{3,*}, Yahia B Hassan⁴ 1,2,3
Dept of Electrical Engineering, Faculty of

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discussed in [7]. Power system stability enhancement by damping and control of SSR (Subsynchronous resonance) using large scale PV-plant has been discussed in [8], [9]. In [10], a large scale PV system

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Stability Enhancement of
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Multi machine system is
proposed. The UPFC
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Stability Enhancement of Multi Machine system using a Unified Power Flow Controller. Abstract
A Unified Power Flow Controller (UPFC) in Multi machine system is proposed. The UPFC model is having a voltage source. The magnitude and angle of this voltage source depends on the UPFC control parameters.

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Stability Enhancement of
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using a ...

Transient Stability
Enhancement in Multi-
Machine Power System
by using Power System
Stabilizer (Pss) and Static
Var Compensator (Svc)

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Enhancement in Multi-
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Stability Enhancement of
Multi-Machine Power
System interconnected
with Wind and PV plants
Using Fuzzy Logic-based
FACTS Controller

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Sayed¹, Hassan A
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Hassan⁴ ^{1,2,3} Dept of
Electrical Engineering,
Faculty of Engineering,

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This paper presents the transient stability enhancement of a multimachine system using series FACTS controllers. Series FACTS controller devices, i.e. TCSC, SSSC and UPFC, have been used in this paper for enhancing the transient

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stability of the system.

Time-domain

simulations are carried

on PSAT (power system

analysis tool box).

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Transient Stability of

Multimachine System ...

Transient Stability

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by using Power System

Stabilizer (Pss) and Static

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Var Compensator (Svc)
Electrical Engineering

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Enhancement of

Multi – Machine Power
Systems:

Synchronization via

Immersion of a Pendular
System W. Dib Wissam

Dib (corresponding

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Transient stability control
of electrical power
systems considers the
problem of loss of
synchronism among
synchronous generators

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when subjected to large disturbances. For the improvement of transient stability the general methods adopted are fast acting exciters, circuit breakers and reduction in system transfer ...

Transient Stability
Enhancement of Multi
Machine Power ...

A comprehensive review
on stability analysis in

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multimachine power system is presented in this study. The increasing demand of power has led to the expansion of power system and complexity in design as well as operation. This threatens to deteriorate the stability and reliability in the power network.

Comprehensive review
on enhancement of

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stability in ...

This study presents the application of Unified Power Flow Controller (UPFC) to improvement dynamic stability of a multi-machine electric power system installed with UPFC. Since UPFC is considered to mitigate Low Frequency Oscillations (LFO) and stability enhancement, therefore a

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supplementary stabilizer based on UPFC (like power system stabilizer) is designed to reach the defined purpose.

Dynamic Stability
Enhancement of a Multi
Machine Electric ...
Dynamic Stability
Enhancement of Power
Systems Using Neural-
Network Controlled
Static-Compensator D

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Harikrishna, N V
Srikanth Dept. of
Electrical Engineering,
National Institute of
Technology Warangal,
Andhra Pradesh, India ...

Modeling of multi-
machine power system is
obtained by considering
the three-machine nine-
bus system. Generator1 is
...

Dynamic Stability

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title={Enhancement of
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Stability Using

Superconducting Fault

Current Limiters with

YBCO and Bi-2212},

author={Mohamed M.

Aly and Emad Allam

Mohamed}, year={2014}

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Emad Allam Mohamed
Published 2014 One of
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