1. Record Nr. UNINA9910163250703321

Autore	Yogananda Paramahansa
Titolo	Autobiography of a yogi / / Paramahansa Yogananda
Pubbl/distr/stampa	[New York, New York] : , : Sheba Blake Publishing, , 2015 ©2015
ISBN	1-312-87134-2
Descrizione fisica	1 online resource (1404 p.)
Disciplina	294.5092
Soggetti	Yogis - India Yogis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Sommario/riassunto	Will update

2. Record Nr. UNINA9910830579603321

Autore	Xu Yan (Associate professor)
Titolo	Stability-constrained optimization for modern power system operation and planning / / Yan Xu, Yuan Chi, Heling Yuan
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , [2023] ©2023
ISBN	1-119-84889-X 1-119-84887-3
Descrizione fisica	1 online resource (499 pages)
Collana	IEEE Press Series on Power and Energy Systems Series
Disciplina	621.319
Soggetti	Electric power system stability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- About the Authors -- Foreword -- Preface -- Part I Power System Stability Preliminaries -- List of Acronyms -- Chapter 1 Power System Stability: Definition, Classification, and Phenomenon -- 1.1 Introduction -- 1.2 Definition -- 1.3 Classification -- 1.4 Rotor Angle Stability -- 1.4.1 Large-Disturbance Rotor Angle Stability -- 1.4.2 Small-Disturbance Rotor Angle Stability -- 1.5 Voltage Stability -- 1.5.1 Large-Disturbance Voltage Stability -- 1.5.2 Small-Disturbance Voltage Stability -- 1.6 Frequency Stability -- 1.7 Resonance Stability -- 1.7.1 Torsional Resonance -- 1.7.2 Electrical Resonance -- 1.8 Converter-Driven Stability -- 1.8.1 Fast-Interaction Converter-Driven Stability -- 1.8.2 Slow-Interaction Converter-Driven Stability -- References -- Chapter 2 Mathematical Models and Analysis Methods for Power System Stability -- 2.1 Introduction -- 2.2 General Mathematical Model -- 2.3 Transient Stability Criteria -- 2.4 Time-Domain Simulation -- 2.5 Extended Equal-Area Criterion (EEAC) -- 2.6 Trajectory Sensitivity Analysis -- 2.6.1 Basic Concept -- Nomenclature -- References -- Chapter 3 Recent Large-Scale Blackouts in the World -- 3.1 Introduction -- 3.2 Major Blackouts in the World -- 3.2.1 Blackouts Triggered by Transmission Line Out-of-Service -- 3.2.1.1 U S-Canada Blackout (2003) -- 3.2.1.2 Europe Blackout (2006) -- 3.2.1.3 U S Blackout (2011) -- 3.2.1.4 South Australia Blackout (2016) -- 3.2.1.5

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11.5 Case Studies.