

1. Record Nr.	UNINA9910813628603321
Autore	Das Debapriya
Titolo	Electrical power systems // Debapriya Das
Pubbl/distr/stampa	New Delhi, : New Age International (P) Ltd., Publishers, c2006
ISBN	1-281-99294-1 9786611992941 81-224-2515-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (483 p.)
Disciplina	621.3
Soggetti	Electric power systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Preface; Contents; Chapter 1. Structure of Power Systems and Few Other Aspects; Chapter 2. Resistance and Inductance of Transmission Lines; Chapter 3. Capacitance of Transmission Lines; Chapter 4. Synchronous Machine: Steady State and Transient Operations; Chapter 5. Power System Components and Per Unit System; Chapter 6. Characteristics and Performance of Transmission Lines; Chapter 7. Load Flow Analysis; Chapter 8. Symmetrical Fault; Chapter 9. Symmetrical Components; Chapter 10. Unbalanced Fault Analysis; Chapter 11. Power System Stability Chapter 12. Automatic Generation Control: Conventional Scenario Chapter 13. Automatic Generation Control in a Restructured Power System; Chapter 14. Corona; Chapter 15. Analysis of Sag of Tension; Chapter 16. Optimal System Operation; Objective Questions; Answers; Bibliography; Index
Sommario/riassunto	This book will give readers a thorough understanding of the fundamentals of power system analysis and their applications. Both the basic and advanced topics have been thoroughly explained and supported through several solved examples. Important Features of the Book Load Flow and Optimal System Operation have been discussed in detail. Automatic Generation Control (AGC) of Isolated and Interconnected Power Systems have been discussed and explained clearly. AGC in Restructured Environment of Power System has been

Introduced. Sag and Tension Analysis have been discussed in detail.
Contai
