



## Handbook of Power System Engineering

By Yoshihide Hase

CBS Publishers & Distributors Pvt. Ltd., 2012. Hardcover. Book Condition: New. First edition. Table of Contents 1 Overhead Transmission Lines and Their Circuit Constants. 2 Symmetrical Coordinate Method (Symmetrical Components). 3 Fault Analysis by Symmetrical Components. 4 Fault Analysis of Parallel Circuit Lines (Including Simultaneous Double Circuit Fault). 5 Per Unit Method and Introduction of Transformer Circuit. 6 The  $0-1-2$  Coordinate Method (Clarke Components) and Its Application. 7 Symmetrical and  $0-1-2$  Components As Analytical Tools For Transient Phenomena. 8 Neutral Grounding Methods. 9 Visual Vector Diagrams of Voltages and Currents Under Fault Conditions. 10 Theory of Generators. 11 Apparent Power and Its Expression In The  $0-1-2$  and  $D-Q-0$  Domains. 12 Generating Power and Steady-State Stability. 13 The Generator As Rotating Machinery. 14 Transient/Dynamic Stability,  $P-Q-V$  Characteristics and Voltage Stability of a Power System. 15 Generator Characteristics With Avr and Stable Operation Limit. 16 Operating Characteristics and The Capability Limits of Generators. 17  $R-X$  Coordinates and The Theory of Directional Distance Relays. 18 Travelling-Wave (Surge) Phenomena. 19 Switching Surge Phenomena By Circuit-Breakers and Line Switches. 20 Overvoltage Phenomena. 21 Insulation Coordination. 22 Waveform Distortion and Lower Order Harmonic Resonance. 23 Power Cables. 24 Approaches For Special Circuits. Printed Pages: 576.



[READ ONLINE](#)  
[ 4.35 MB ]

### Reviews

*It is really an amazing pdf which i have possibly go through. Indeed, it really is play, nevertheless an amazing and interesting literature. I am just very happy to let you know that this is the best ebook i have got study in my very own life and might be he very best ebook for actually.*

-- **Evan Sporer**

*Unquestionably, this is the best work by any author. Better then never, though i am quite late in start reading this one. I realized this publication from my dad and i advised this pdf to find out.*

-- **Nelson Zemplak**