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Nota di contenuto

Front cover; Power Quality in Power Systems and Electrical Machines; Copyright page; Preface; Table of contents; CHAPTER 1: Introduction to Power Quality; 1.1 DEFINITION OF POWER QUALITY; 1.2 CAUSES OF DISTURBANCES IN POWER SYSTEMS; 1.3 CLASSIFICATION OF POWER QUALITY ISSUES; 1.4 FORMULATIONS AND MEASURES USED FOR POWER QUALITY; 1.5 EFFECTS OF POOR POWER QUALITY ON POWER SYSTEM DEVICES; 1.6 STANDARDS AND GUIDELINES REFERRING TO POWER QUALITY; 1.7 HARMONIC MODELING PHILOSOPHIES; 1.8 POWER QUALITY IMPROVEMENT TECHNIQUES; 1.9 SUMMARY; 1.10 PROBLEMS; 1.11 REFERENCES; 1.12 ADDITIONAL BIBLIOGRAPHY

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3.19 ADDITIONAL BIBLIOGRAPHY CHAPTER 4: Modeling and Analysis of Synchronous Machines; 4.1 SINUSOIDAL STATE-SPACE MODELING OF A SYNCHRONOUS MACHINE IN THE TIME DOMAIN; 4.2 STEADY-STATE, TRANSIENT, AND SUBTRANSIENT OPERATION; 4.3 HARMONIC MODELING OF A SYNCHRONOUS MACHINE; 4.4 SUMMARY; 4.5 PROBLEMS; 4.6 REFERENCES; 4.7 ADDITIONAL BIBLIOGRAPHY; CHAPTER 5: Interaction of Harmonics with Capacitors; 5.1 APPLICATION OF CAPACITORS TO POWER-FACTOR CORRECTION; 5.2 APPLICATION OF CAPACITORS TO REACTIVE POWER COMPENSATION; 5.3 APPLICATION OF CAPACITORS TO HARMONIC FILTERING

5.4 POWER QUALITY PROBLEMS ASSOCIATED WITH CAPACITORS

Sommario/riassunto

This book helps readers understand the causes and effects of power quality problems and provides techniques to mitigate these problems. Power Quality is a measure of deviations in supply systems and their components, and affects all connected electrical and electronic equipment, including computers, TV monitors, and lighting. In this book analytical and measuring techniques are applied to power quality

problems as they occur in central power stations and distributed generation such as alternative power systems. Provides theoretical and practical insight into power quality problems.

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Grotius Hugo <1583-1645.>

Hugo Grotius, his most choice discourses [[electronic resource]] : out of that excellent treatise De veritate religionis Christianæ ... // translated out of the Latin by Cl. Barksdale

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