


[DOWNLOAD](#)


Fundamentals of Electrical Drives (Power Systems)

By Veltman, André; Pulle, Duco W.J.; de Doncker, R.W.

Springer, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Dedication. Foreword. Preface. Acknowledgments. Symbol conventions. 1. INTRODUCTION. 1.1 Why use electro-mechanical energy conversion? 1.2 Key components of an Electrical drive system. 1.3 What characterizes high performance drives? 1.4 Notational conventions. 1.5 Use of building blocks to represent equations. 1.6 Magnetic principles. 1.7 Machine sizing principles. 1.8 Tutorials for Chapter 1.2. SIMPLE ELECTRO-MAGNETIC CIRCUITS. 2.1 Introduction. 2.2 Linear inductance. 2.3 Coil resistance. 2.4 Magnetic saturation. 2.5 Use of phasors for analyzing linear circuits. 2.6 Tutorials for Chapter 2.3. THE TRANSFORMER. 3.1 Introduction. 3.2 Ideal transformer (ITF) concept. 3.3 Basic transformer. 3.4 Transformer with magnetizing inductance. 3.5 Steady-state analysis. 3.6 Three inductance model. 3.7 Two inductance models. 3.8 Mutual and self inductance based model. 3.9 Two inductance model with coil resistance. 3.10 Tutorials for Chapter 3.4. THREE-PHASE CIRCUITS. 4.1 Introduction. 4.2 Star/Whye connected circuit. 4.3 Delta connected circuit. 4.4 Space vectors. 4.5 Amplitude and power invariant space vectors. 4.6 Application of space vectors for three-phase circuit analysis. 4.7 Relationship between space vectors and phasors. 4.8 Tutorials for Chapter 4.5. CONCEPT OF REAL AND REACTIVE POWER. 5.1 Introduction. 5.2 Power in single phase systems. 5.3 Power in...



[READ ONLINE](#)
[2 MB]

Reviews

Complete guide for publication enthusiasts. I have read and i am sure that i will going to study again once again in the future. Your way of life period will be transform once you total looking over this publication.

-- **Shayne O'Conner**

This composed publication is great. It is one of the most remarkable publication i have got read through. I am just quickly could get a delight of looking at a composed book.

-- **Caden Buckridge**