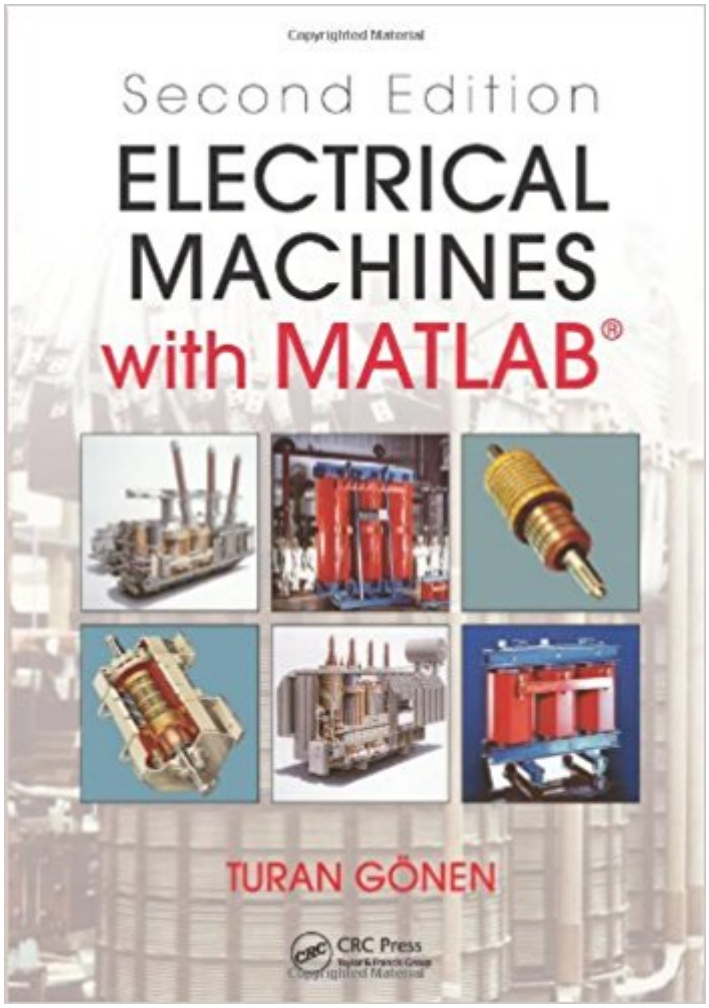
Electrical Machines With MATLABÂ®, Second Edition



Synopsis

Electrical Machines with MATLABÂ® encapsulates the invaluable insight and experience that eminent instructor Turan GÃ¶nen has acquired in almost 40 years of teaching. With simple, versatile content that separates it from other texts on electrical machines, this book is an ideal self-study tool for advanced students in electrical and other areas of engineering. In response to the often inadequate, rushed coverage of fundamentals in most basic circuit analysis books and courses, this resource is intelligently designed, easy to read, and packed with in-depth information on crucial concepts. Topics include three-phase circuits, power measurement inÂ AC circuits, magnetic circuits, transformers, and induction, synchronous, and direct-current machines. The book starts by reviewing more basic concepts, with numerous examples to clarify their application. It then explores new "buzzword" topics and developments in the area of electrical machine applications and electric power systems, including: Renewable energy Wind energy and related conversion Solar energy Energy storage The smart grid Using International Systems (IS) units throughout, this cross-disciplinary design guide delves into commonly used vocabulary and symbols associated with electrical machinery. Several new appendices contain tools such as an extensive glossary to explain important terms. Outlining a wide range of informationâ •and the many different ways to apply itâ •this book is an invaluable, multifunctional resource for students and professors, as well as practicing professionals looking to refresh and update their knowledge.

Book Information

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Customer Reviews

Turan GÃ¶nen is professor of electrical engineering and director of the Electrical Power Educational Institute at California State University, Sacramento (CSUS). Previously, he was professor of electrical engineering and director of the Energy Systems and Resources Program at the University of Missouriâ “Columbia. Professor GÃ¶nen also held teaching positions at the University of Missouriâ “ Rolla, the University of Oklahoma, Iowa State University, Florida International University, and Ankara Technical College. He has taught electrical machines and electric power engineering for more than 38 years. Professor GÃ¶nen also has a strong background in the power industry. He worked as a design engineer in numerous companies for eight years, both in the United States and abroad. He has served as a consultant for the United Nations Industrial Development Organization (UNIDO), Aramco, Black & Veatch Consultant Engineers, and the public utility industry.

Firstly, this book is full of typos.Second, the mathematical symbols and letters for units are poorly "put together" ex.) work = fXdNm; firstly, if these were vectors, which they should be, X is NOT the right operation! I’s a dot product! second, units are often crammed "into the equations" such that they look like variables; have fun with thatthird, there are applications of equations that are inconsistent with the definition of the equation given by the book; there is and example where one is asked to find slip and the book plugs in the wrong values (by definition), essentially finding speed regulation and calling what it slip!fourth, there is surely more to comedon’t buy this book

This book has a lot of typos.1) Page 58, equation (3.16) and (3.15): l is used instead of l on the numerator. The cross section area ’A’ is replaced by \pi r^. But ’r’ is used as the mean radius of the toroidal core in figure 3.5!. Also another typo of ’n’ instead of ’\pi’ in equation (3.16).2) Page (65), Example 3.3(b), 0.5 m is used instead of 0.05 m.3) Chapter 12, figure 12.2 "Savanius" instead of "Savonius".The contents of the book is good especially for someone who do not have experience in power systems, machines etc.

The second edition of this book does not have all the corrections needed for the first edition. Outside of the numerous typos that make the book un-trustable, the system analysis’s in the text are poor examples if they exist at all. you’d get more easily understandable info from a youtube video from another country.

Book is plagued with typos, it would be a good book if it wasn’t for all the typos in it.You are never sure if the mistake is yours or the book.Shameful for the price.

For the price that i paid, i was expecting more color pages. Since it is a college book for EE, i am guessing that the author felt that color illustration throughout the book is secondary. In another hand, the seller did a good job in term of the elapsed time to ship the book.

Terrible book. Don’t recommend it. Typos are everywhere. Very few examples and just a bad book. I would recommend something else.

It’s what I wanted and in perfect condition.

It is ok!

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