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Prof. Robert Erickson | CU-Boulder

Fundamentals of Power Electronics, Third Edition, is an up-to-date and authoritative text and reference book on power electronics. This new edition retains the original objective and philosophy of focusing on the fundamental principles, models, and technical requirements needed for designing practical power electronic systems while adding a wealth of new material.

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He is the author of the textbook

Fundamentals of Power Electronics, now in its second edition. Professor Erickson is the author of over one hundred journal and conference papers in the area of power electronics, is a recipient of the IEEE Power Electronics Society Transactions Prize Paper Award, and the IEEE William E. Newell Power Electronics Award, the highest honor in the power area.

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Fundamentals of Power ...

Robert Erickson and Dragan Maksimovic, Fundamentals of Power Electronics, 2001, Springer Science+Business. The textbook was revised to improve its flow. Substantial new material was added on converter simulation using averaged switch models, current mode control, input filter design and Middlebrook's

extra element theorem, improved explanations of proximity losses and MMF diagrams, and soft switching.

Fundamentals of Power Electronics | SpringerLink Shigekane H, Fujihira T, Sasagawa K et al (2009)

Macro-trend and a future expectation of innovations in power electronics and power devices. Proceedings of the IPEMC, pp 35 – 39 Google Scholar 44.

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