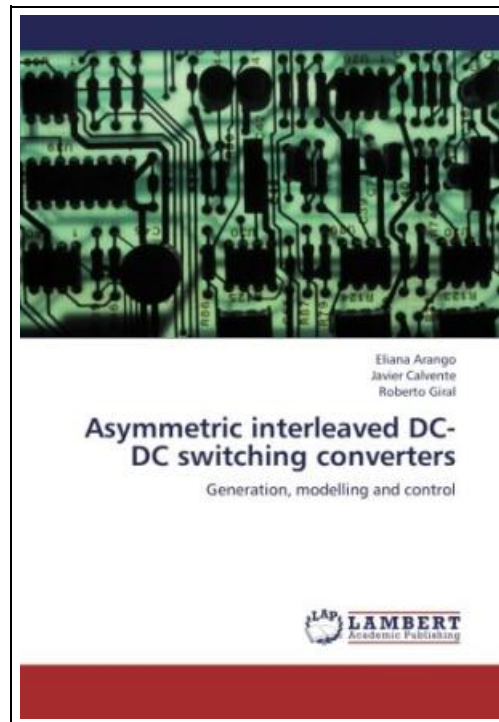


Asymmetric interleaved DC-DC switching converters



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Reviews

Simply no terms to explain. I am quite late in start reading this one, but better then never. Its been written in an remarkably easy way and is particularly merely soon after i finished reading this book where basically changed me, affect the way i really believe.
(Prof. Jedediah Kuhic DVM)

ASYMMETRIC INTERLEAVED DC-DC SWITCHING CONVERTERS



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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Generation, modelling and control | A continuing objective in the field of power electronics is to generate improved structures of switching converters to fulfill application requirements. This book provides methods for design, modelling and control of new DC-DC switching topologies. The fundamental idea behind the methodology proposed to generate new converter structures was to break the symmetry. This allows the generation of asymmetrical interleaved converters, which provides low current and voltage ripples working on high boosting ratio at DCM conditions. This book also introduces a novel conceptual modelling approach called Modified Averaging Using Graphical Methods. This new method is an accurate and simple solution for control-oriented modelling of DC-DC converters operating on DCM. Such topics are addressed by formal analyses, using simulation results and experimental validations. This book is intended for researchers and students with basic power electronics and control knowledge, but who are novices in interleaved topologies analysis. Scientist interested in industrial power electronics and modeling and control of non-linear systems may also find this book useful. | Format: Paperback | Language/Sprache: english | 160 pp.



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