The switching function: analysis of power electronic circuits

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Abstrak

This new book demonstrates the usefulness of the switching function in analysing power electronic circuits in the steady state. It includes analysis of generic circuits of power electronics using the switching function, and derives compact expressions for output voltage and current and input current. Further coverage includes frequency spectrums and distortion figures together with the power factor where appropriate, and switching function algebra. The application of the Kirchoff?s laws and the superposition theorem in switched circuits are also discussed.