

1. Record Nr.	UNINA9910131648103321
Titolo	The seven dwarfs and the age of the mandarins : Australian government administration in the post-war reconstruction era / / edited by Samuel Furphy
Pubbl/distr/stampa	Acton, Australian Capital Territory : , : Australian National University Press, , 2015 ©2015
ISBN	1-925022-33-1
Descrizione fisica	1 online resource (246 pages) : illustrations
Collana	ANU Lives Series in Biography
Disciplina	920.094
Soggetti	Reconstruction (1939-1951) - Australia Australia Officials and employees Biography Australia Politics and government 1945-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	In the history and folklore of Australia's Commonwealth Public Service, the idea of the 'Seven Dwarfs' has been remarkably persistent. Originally a witty epithet applied to a powerful group of senior public servants, the term has come to represent the professionalisation of Australian government administration during the Second World War and post-war reconstruction era, and into the following two decades of expansion. This was a period when, for the first time, talented university graduates entered the public service, rose to senior levels, and exerted great influence over the affairs of the Commonwealth. With the secure tenure of being permanent heads of departments, they defined the age of the public service mandarin. This book explores the lives and influence of the Seven Dwarfs and their colleagues, bringing together the leading researchers on post-war Australian administration. Featuring four thematic chapters and ten biographical portraits, it offers a fascinating insight into the workings of the Commonwealth Public Service during a critical period in its history

2. Record Nr.	UNISALENT0991000833479707536
Autore	Leach, Donald P.
Titolo	Basic electric circuits / Donald P. Leach
Pubbl/distr/stampa	New York : John Wiley & Sons, 1969
ISBN	0471520012
Descrizione fisica	xiii, 665 p. : ill. ; 24 cm.
Classificazione	53.2.22 621.3.1 621.319'2 TK454.L4
Soggetti	Electric circuits
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNINA9910827318403321
Autore	Kazimierczuk Marian K.
Titolo	Pulse-width modulated DC-DC power converters / / Marian K. Kazimierczuk
Pubbl/distr/stampa	Chichester, West Sussex, [England] : , : Wiley, , 2016 ©2016
ISBN	1-119-00959-6 1-119-00957-X 1-119-00956-1
Edizione	[Second edition.]
Descrizione fisica	1 online resource (963 p.)
Disciplina	621.381/044
Soggetti	DC-to-DC converters Pulse circuits PWM power converters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Pulse-Width Modulated DC--DC Power Converters; Contents; About the Author; Preface; Nomenclature; 1 Introduction; 1.1 Classification of Power Supplies; 1.2 Basic Functions of Voltage Regulators; 1.3 Power Relationships in DC-DC Converters; 1.4 DC Transfer Functions of DC-DC Converters; 1.5 Static Characteristics of DC Voltage Regulators; 1.6 Dynamic Characteristics of DC Voltage Regulators; 1.7 Linear Voltage Regulators; 1.7.1 Series Voltage Regulator; 1.7.2 Shunt Voltage Regulator; 1.8 Topologies of PWM DC-DC Converters; 1.9 Relationships Among Current, Voltage, Energy, and Power 1.10 Summary References; Review Questions; Problems; 2 Buck PWM DC-DC Converter; 2.1 Introduction; 2.2 DC Analysis of PWM Buck Converter for CCM; 2.2.1 Circuit Description; 2.2.2 Assumptions; 2.2.3 Time Interval: $0 < t \leq DT$; 2.2.4 Time Interval: $DT < t \leq T$; 2.2.5 Device Stresses for CCM; 2.2.6 DC Voltage Transfer Function for CCM; 2.2.7 Boundary Between CCM and DCM; 2.2.8 Capacitors; 2.2.9 Ripple Voltage in Buck Converter for CCM; 2.2.10 Switching Losses with Linear MOSFET Output Capacitance; 2.2.11 Switching Losses with Nonlinear

MOSFET Output Capacitance

2.2.12 Power Losses and Efficiency of Buck Converter for CCM 2.2.13 DC Voltage Transfer Function of Lossy Converter for CCM; 2.2.14 MOSFET Gate-Drive Power; 2.2.15 Gate Driver; 2.2.16 Design of Buck Converter for CCM; 2.3 DC Analysis of PWM Buck Converter for DCM; 2.3.1 Time Interval: $0 < t \leq DT$; 2.3.2 Time Interval: $DT < t \leq (D + D1)T$; 2.3.3 Time Interval: $(D + D1)T < t \leq T$; 2.3.4 Device Stresses for DCM; 2.3.5 DC Voltage Transfer Function for DCM; 2.3.6 Maximum Inductance for DCM; 2.3.7 Power Losses and Efficiency of Buck Converter for DCM; 2.3.8 Design of Buck Converter for DCM

2.4 Buck Converter with Input Filter 2.5 Buck Converter with Synchronous Rectifier; 2.6 Buck Converter with Positive Common Rail; 2.7 Quadratic Buck Converter; 2.8 Tapped-Inductor Buck Converters; 2.8.1 Tapped-Inductor Common-Diode Buck Converter; 2.8.2 Tapped-Inductor Common-Transistor Buck Converter; 2.8.3 Watkins-Johnson Converter; 2.9 Multiphase Buck Converter; 2.10 Switched-Inductor Buck Converter; 2.11 Layout; 2.12 Summary; References; Review Questions; Problems; 3 Boost PWM DC-DC Converter; 3.1 Introduction; 3.2 DC Analysis of PWM Boost Converter for CCM; 3.2.1 Circuit Description 3.2.2 Assumptions 3.2.3 Time Interval: $0 < t \leq DT$; 3.2.4 Time Interval: $DT < t \leq T$; 3.2.5 DC Voltage Transfer Function for CCM; 3.2.6 Boundary Between CCM and DCM; 3.2.7 Ripple Voltage in Boost Converter for CCM; 3.2.8 Power Losses and Efficiency of Boost Converter for CCM; 3.2.9 DC Voltage Transfer Function of Lossy Boost Converter for CCM; 3.2.10 Design of Boost Converter for CCM; 3.3 DC Analysis of PWM Boost Converter for DCM; 3.3.1 Time Interval: $0 < t \leq DT$; 3.3.2 Time Interval: $DT < t \leq (D + D1)T$; 3.3.3 Time Interval: $(D + D1)T < t \leq T$; 3.3.4 Device Stresses for DCM

3.3.5 DC Voltage Transfer Function for DCM

Sommario/riassunto

PWM DC-DC power converter technology underpins many energy conversion systems including renewable energy circuits, active power factor correctors, battery chargers, portable devices and LED drivers. Following the success of Pulse-Width Modulated DC-DC Power Converters this second edition has been thoroughly revised and expanded to cover the latest challenges and advances in the field. Key features of 2nd edition: Four new chapters, detailing the latest advances in power conversion, focus on: small-signal model and dynamic characteristics of the buck converter in continuous conduction
