

## Analysis and Design of the Power-Split Device for Hybrid Systems (Hardback)

By Xiaohua Zeng

Springer Verlag, Singapore, Singapore, 2018. Hardback. Condition: New. 1st ed. 2018. Language: English . Brand New Book. This book presents a comprehensive overview of power-split device (PSD) design. It discusses vehicle energy consumption characteristics, hybrid vehicle power request solutions, typical configurations, operating principle and simulation technology of PSD hybrid system, a multi-factor integrated parametric design method and a dynamic coordinated control method for PSD hybrid system. It also describes the finite element analysis, thermal analysis and optimization of the PSD based on a surrogate model, explains the theory behind the design and the simulation, and provides concrete examples. It is a valuable resource for researchers and the engineers to gain a better understanding of the PSD design process.



## Reviews

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