

Marine Engines Tapimer

Internal combustion engines still have a potential for substantial improvements, particularly with regard to fuel efficiency and environmental compatibility. These goals can be achieved with help of control systems. Modeling and Control of Internal Combustion Engines (ICE) addresses these issues by offering an introduction to cost-effective model-based control system design for ICE. The primary emphasis is put on the ICE and its auxiliary devices. Mathematical models for these processes are developed in the text and selected feedforward and feedback control problems are discussed. The appendix contains a summary of the most important controller analysis and design methods, and a case study that analyzes a simplified idle-speed control problem. The book is written for students interested in the design of classical and novel ICE control systems.

Fundamentals of Diesel Engines

This book provides a source of inspiration and a manual for designers, entrepreneurs and professionals who are looking into the practical application of product configurators. In this growing profession, there is a need for a book which focuses on the configuration process from a design perspective. The book delves into the practical application of configurators using case studies of selected firms that present their most significant works. It offers the reader tips, suggestions, technical details and critical issues which need to be considered, from experienced actors and pioneers worldwide, which include: Unfold, Belgium In-flexions, France Nervous System, USA Okinlab, Germany SkimLab, France Twikit, Belgium INDG, The Netherlands ZeroLight, United Kingdom 3Dimerce, The Netherlands 3DSource, USA Bagaar, Belgium MyCustomizer, Canada Combeentation, Austria Tools and Strategies for the Personalization of Objects

A monograph on engine modelling which aims to fill the existing gap in the literature between textbooks and practical treatises, and to help engineers and students understand complex fluid dynamics phenomena involved can be expressed in terms of mathematical and computer models.

Introduction to Modeling and Control of Internal Combustion Engine Systems Springer Science & Business Media

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