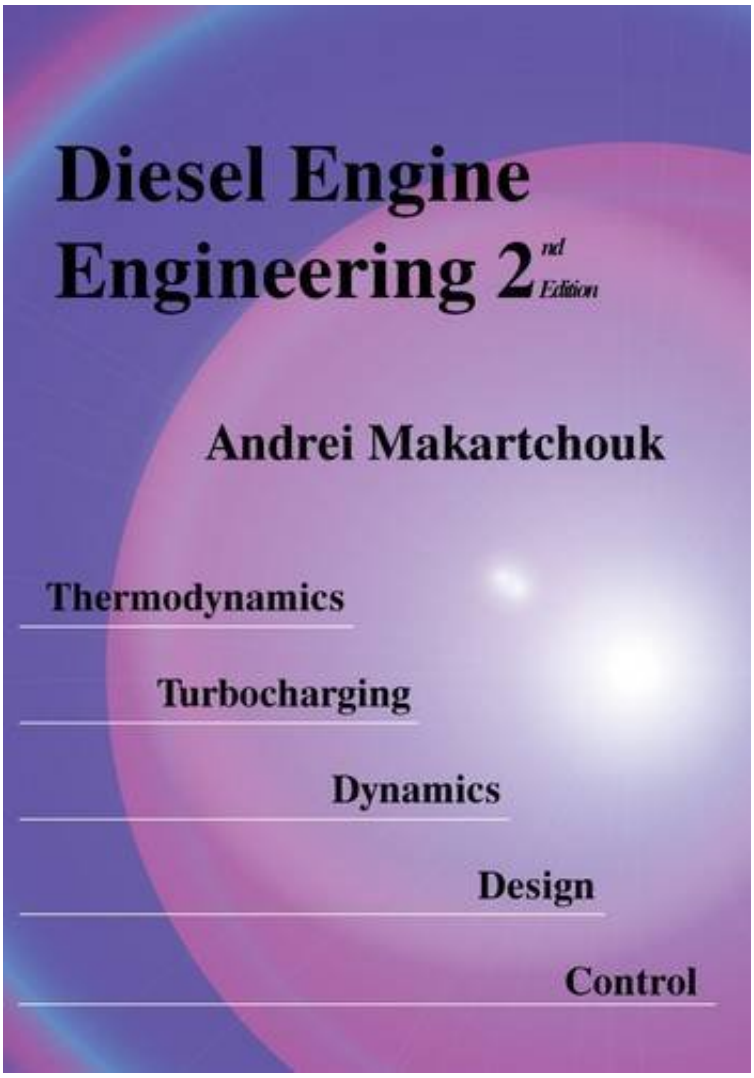
Diesel Engine Engineering 2: Thermodynamics, Turbocharging, Dynamics, Design, Control

Andrei Makartchouk



#1525062 in Books 2011-03-24Original language:EnglishPDF # 1 9.02 x .99 x 5.98l, 1.43 #File Name: 0984634606442 pagesCalculation methodsEquationsGraphsDiagramsColored drawings | File size: 68.Mb

Andrei Makartchouk : Diesel Engine Engineering 2: Thermodynamics, Turbocharging, Dynamics, Design, Control before purchasing it in order to gage whether or not it would be worth my time, and all praised Diesel Engine Engineering 2: Thermodynamics, Turbocharging, Dynamics, Design, Control:

Revised and extended, this new edition provides the foundation for diesel engines design, based on traditional methods

in thermodynamics, dynamics, structural analysis, chemistry, heat transfer, and applied analysis of system operation. It also offers additional material and examples for the calculation of combustion process, thermal efficiency, heat release, NOx emissions, and diesel turbocharging. Diesel Engine Engineering-2nd Edition demonstrates details of diesel engine performance with graphs and schematic diagrams, illustrates the characteristics and modes of diesel engine operation, describes the analytical models for calculation of thermodynamics parameters, in-cylinder cycles and emissions, discusses how various design factors affect engine performance, efficiency, emissions, the system reliability, offering correct techniques to improve performance, stability, and endurance.