

1. Record Nr.	UNINA9910815947503321
Autore	Onorati Angelo
Titolo	1D and multi-D modeling techniques for IC engine simulation / / Angelo Onorati, Gianluca Montenegro
Pubbl/distr/stampa	Warrendale, Pa. (400 Commonwealth Dr., Warrendale PA USA) : , : Society of Automotive Engineers, , 2020
ISBN	0-7680-9354-6 0-7680-9952-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1 PDF (xix, 528 pages)) : illustrations (some color)
Collana	Society of Automotive Engineers. Electronic publications
Disciplina	621.43
Soggetti	Internal combustion engines - Design and construction Automobiles - Motors - Design and construction TECHNOLOGY & ENGINEERING / Automotive COMPUTERS / Software Development & Engineering / General Automotive technology and trades Computer programming / software engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. State of the art of 1D thermo-fluid dynamic simulation models -- Chapter 2. Virtual engine development: 1D- and 3D-CFD up to full engine simulation -- Chapter 3. Advanced OD and quasiD thermodynamic combustion models for SI and CI engines -- Chapter 4. Compressor and turbine as boundaryconditions for 1D simulations -- Chapter 5. 3D-CFD combustion models for SI and CI engines -- Chapter 6. Control-oriented gas dynamic simulation via model order reduction -- Chapter 7. Modeling of EGR systems -- Chapter 8. 1D engine model in XIL application: a simulation environment for the entire powertrain development process -- Chapter 9. Coupling of 1D and 3D fluid dynamic models for hybrid simulations -- Chapter 10. Extending the 1D approach to the simulation of 3D components: the Quasi-3D approach -- Chapter 11. 1D simulation models for aftertreatment components -- Chapter 12. 3D simulation models for after-treatment systems -- Chapter 13. Modeling of IC engine silencers and tailpipe noise: 1D and 3D approaches.

Sommario/riassunto

This book provides a description of the most significant and recent achievements in the field of 1D engine simulation models and coupled 1D-3D modeling techniques, including 0D combustion models, quasi-3D methods and some 3D model applications.

2. Record Nr.

UNINA9910692991103321

Titolo

Chickens and eggs

Pubbl/distr/stampa

[Washington, D.C.], : National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Dept. of Agriculture, : [ERS-NASS, distributor]

Disciplina

636

Soggetti

Eggs - United States
Poultry - United States
Eggs
Poultry
Periodicals.
Statistics.
United States

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Periodico

Note generali

"Pou 1-1."