

1. Record Nr.	UNINA9910822333603321
Autore	Thygesen Rene
Titolo	Development of a partially premixed combustion model for a diesel engine using multiple injection strategies // Rene Thygesen
Pubbl/distr/stampa	Berlin : , : Logos Verlag, , [2012] ©2012
ISBN	3-8325-9702-6
Descrizione fisica	1 online resource (160 pages)
Disciplina	621.436
Soggetti	Diesel engines - Models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	PublicationDate: 20120229
Sommario/riassunto	<p>Long description: In order to fulfil future emissions legislations, new combustion systems are to be investigated. One way of improving exhaust emissions is the application of multiple injection strategies and conventional or partially premixed combustion conditions to a Diesel engine. The application of numerical techniques as CFD supports and improves the quality of engine developments. Unfortunately, current spray and combustion models are not accurate enough to simulate multiple injection systems, being in this way a topic of research. The goal of this study was the development of a novel simulation method for the investigation of Diesel engines operated with multiple injection strategies and different combustion modes. The first part of this work focused in improving the spray modelling. The information of 3D CFD simulations of the injector nozzle was introduced in the spray simulation as boundary conditions developing coupling subroutines for this issue. The atomisation modelling was also improved using validated presumed droplet size distributions. Moreover, to avoid the simulation of the injector nozzle for every investigated operating point, a novel interpolating tool was developed in order to create spray boundary conditions based on few 3D CFD simulations of the nozzle under certain initial and boundary conditions. The second part of this thesis dealt with the combustion modelling of Diesel engines. For this</p>

issue, a laminar flamelet approach called Representative Interactive Flamelet model (RIF) was selected and implemented. Afterwards, an extended combustion model based on RIF was developed in order to take into account multiple injection strategies. Finally, this new model was validated with a wide range of operating points: applying multiple injection strategies under conventional and partially premixed combustion conditions.

2. Record Nr.	UNIORUON00290593
Autore	LAYISH, Aharon
Titolo	The reinstatement of Islamic law in Sudan under Numayri. An evaluation of a legal experiment in the light of its historical context, methodology and repercussions / by Aharon Layish and Gabriel R. Warburg
Pubbl/distr/stampa	Leiden [etc.], : Brill, 2002
ISBN	90-04-12104-8
Descrizione fisica	xxi, 348 p. ; 25 cm
Classificazione	ARA XV
Altri autori (Persone)	WARBURG, Gabriel R.
Soggetti	DIRITTO ISLAMICO - Sudan Sudan - Politica e governo - 1956-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
