INTERNAL COMBUSTION ENGINE CHARACTERISTICS SOFTWARE

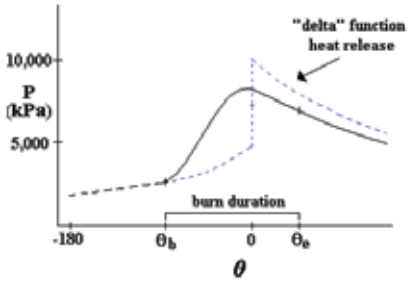
WITH MEAN-LINE TURBOCHARGER ANALYSIS MODULE

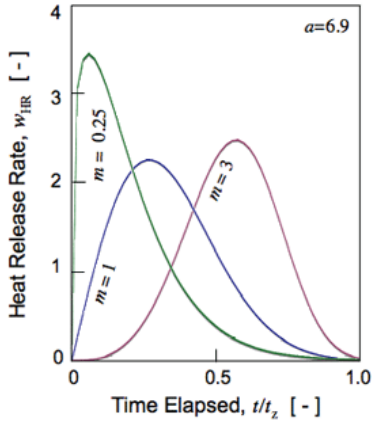
Descriptions

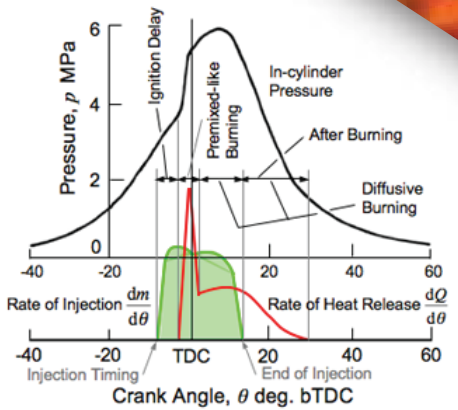
- Zero dimensional model of combustion of internal combustion engines
- Modelling enabling characteristics evaluation of internal combustion engines
- Enhance understanding, knowledge and research capabilities on internal combustion engines
- Provide a tool enabling researchers to have critical approach to theory of internal combustion engines
- Fully validated engine combustion and performance model
- Possibility to run preliminary design analysis for internal combustion engine.
- Understand and assess the different behaviour of boosted and natural aspirated engine with a turbocharger model.
- Wider flexibility than standard engine models with options of mean-line models for turbo-compressors elements
- The engine model is based on two-zone WIEBE function inclusive of empirical heat transfer functions.
- The engine model can be used to predict:
  - rate of heat release,
  - rate of pressure rise,
  - in-cylinder pressure
  - in-cylinder temperature
  - emission properties
  - power
  - efficiency
- The model includes multi fuel properties

Minimum PC Requirement

- 3rd Generation Intel®Core™ i5-3330S Processor
- 4 GB DDR3 SDRAM
- 1 TERA Hard Drive
- 18.5"W HD Monitor with WLED
- 1 Year Limited Warranty







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