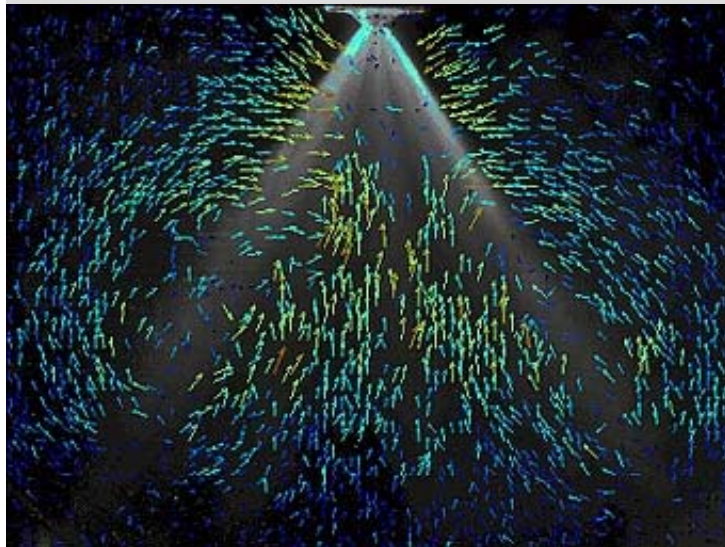




DEER-Conference 2007 – Poster Session

August 13, Ontario Exhibit Hall; Location P-22



Impact of Extreme Injection Pressure and EGR on the Combustion System of a HD Single Cylinder Engine

J. Seebode, K. Behnk, R. Marohn, G. Buschmann

Contact:

Paul Moreton

IAV Automotive Engineering Inc.

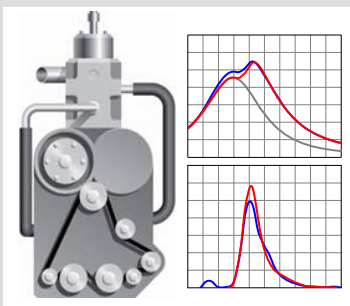
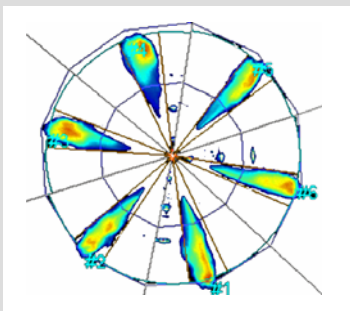
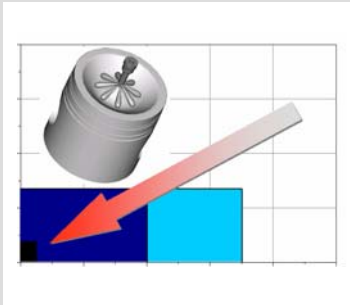
4110 Varsity Drive

Ann Arbor, MI 48108

Phone: +1 734 971 – 1070

Email: info@iav-usa.com

Impact of Extreme Injection Pressure and EGR on the Combustion System of a HD Single Cylinder Engine



Systematics of Research Process

- Tool Chain of Combustion Process Development
- Technical Setup and Environment

Analyse of the Injection System

- Simulation
- Hydraulic Characterisation
- Optical Spray Diagnostics

Engine Investigations

- Experimental Results
- Optical Combustion Diagnostics
- Statistical Test Planning (DoE)