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NOMENCLATURE

<i>Avl</i>	Adelson-Velskii and Landis
<i>CR</i>	Compression Ratio
<i>SFC</i>	Specific Fuel Consumption
<i>NO_x</i>	Nitrogen Oxide
<i>CFD</i>	Computational Fluid Dynamics
<i>PDE</i>	Partial Differential Equations
<i>BTE</i>	Brake Thermal Efficiency
<i>ODE</i>	Ordinary Differential Equation
<i>BSFC</i>	Brake Specific Fuel Consumption (kg/kw.hr)
<i>C₃H₈</i>	Propane
<i>VCR</i>	Variable Compression Ratio
<i>LDV</i>	Light Duty Vehicles
<i>EI</i>	Engine
<i>CI</i>	Cylinder
<i>MPI</i>	Measuring Point 1
<i>PLI</i>	Plenum
<i>SBI</i>	System Boundary 1
<i>CLI</i>	Cleaner
<i>CH₄</i>	Methane
<i>CH₃-OH</i>	Methanol
<i>m</i>	Mass (kg)
<i>ρ</i>	Density(m ³ /kg)
<i>TDC</i>	Top Dead Centre
<i>HC</i>	Hydrocarbons
<i>CO</i>	Carbon Monoxide
<i>RON</i>	Research Octane Number
<i>ṁ</i>	Mass Flow Rate (kg/s)
<i>CNG</i>	Compressed Natural Gas
<i>BMEP</i>	Brake Means Effective Pressure (kg/kw.hr)
<i>C₈H₁₈</i>	Gasoline
<i>GSI</i>	Gaseous Sequential Injection
<i>A/F</i>	Air fuel ratio
<i>RI</i>	Restriction
<i>h_i</i>	Specific enthalpy
<i>dm_i</i>	Mass flow
<i>Q</i>	Heat flow
<i>W</i>	Work done
<i>d_E</i>	Internal Energy
<i>C₃H₈</i>	Propane
<i>CH₃CH₂OH</i>	Ethanol
<i>VCR</i>	Variable compression ratio