



LA VISION

WE COUNT ON PHOTONS

CA	Crank Angle
CCD	Charge Coupled Device
CVD	Chemical Vapor Deposition
CW	Continuous Wave
DI-spray	Direct Injection Spray
DLR	Deutsches Zentrum für Luft- und Raumfahrt (German Aerospace Center)
DPIV	Digital Particle Image Velocimetry
DSPIV	Digital Stereo Particle Image Velocimetry
GFM	Gas Flow Monitor
IC	Internal Combustion
ICCD	Intensified Charge Coupled Device
Interrogation Area	also Interrogation window or Interrogation cell; part of an image that is used to calculate particle displacement by means of correlation
IRO	Image Relay Optics
LDA	Laser Doppler Anemometry
LDS	Laser Diagnostic System
LIF	Laser Induced Fluorescence
LIPF	Laser Induced Predissociation Fluorescence
LSV	Laser Speckle Velocimetry
MBE	Molecular Beam Epitaxy
PDA	Phase Doppler Anemometry
PDF	Probability Density Function
Peak-Locking	an effect caused by small particles leading to the tendency of calculations giving integer displacement values
PIV	Particle Image Velocimetry
pixel	Picture Element
PLD	Pulsed Laser Deposition
PSC	Pressure Sensitive Coating
PSP	Pressure Sensitive Paint
PTU	Programmable Timing Unit
PTV	Particle Tracking Velocimetry
QE	Quantum Efficiency
Rheed	Reflective High Energy Electron Diffraction
Scheimpflug	the condition which causes a tilted image plane when imaging at an angle
Seeder	device which places particles, droplets or bubbles into a flow medium
SI	Self Ignition
SMD	Sauter Mean Diameter
SNR	Signal to Noise Ratio
SPM	Surface Pressure Monitor
Vorticity	differential quantity that is often of more interest than the velocity