Detonation Physics Laboratory

• Correlation of detonation cell widths with detailed chemical reaction mechanisms.
• Measurements and Models of detonation diffraction openings and tubes.
• Investigation of flexural waves created in shock tubes and detonation tubes.
• Measurement of detonation front structure using high-speed imaging and OH PLIF.
• Spectroscopic investigation of detonations.
• Behavior of detonations in narrow channels and with acoustic absorbing walls.
• Photochemical initiation of detonation.