

Gas dynamics and kinetics of the penetration of methane–oxygen flames through complex obstacles, as studied by 3D spectroscopy and high-speed cinematography

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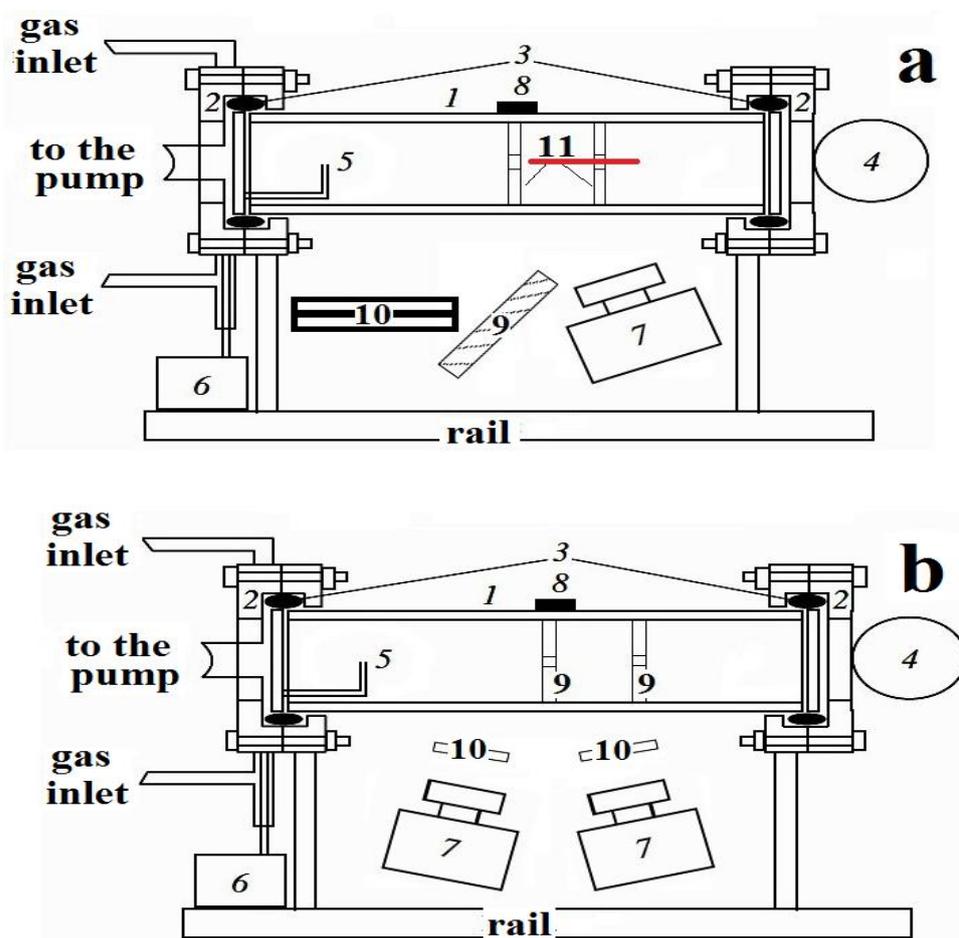


Figure S1 Experimental installation a. (1) quartz reactor, (2) stainless steel gateway, (3) stainless steel gateway, (4) stainless steel shutter, (5) spark electrodes, (6) spark ignition circuit, (7) high speed color movie camera, (8) microphone, (9) rotary mirror, (10) hyper spectrometer, (11) obstacles. The line on which 3D-spectral shooting was carried out is specified red. The width of this line is about 1 mm.

Experimental installation b. (10) – interference filter.