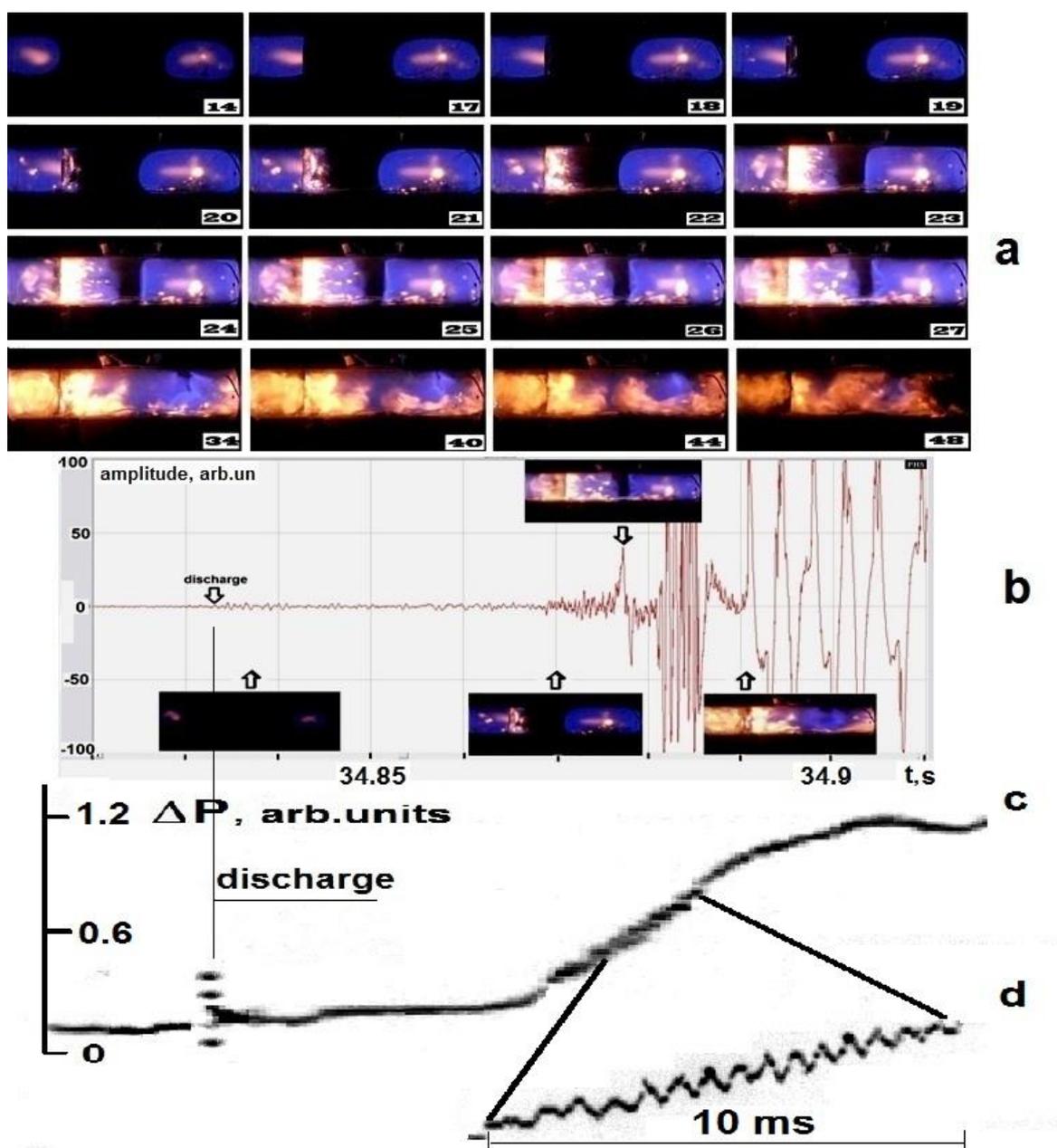


Interaction of the laminar flames of methane–air mixtures with close-meshed spherical and planar obstacles in a closed cylindrical reactor under spark discharge initiation

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**Figure S1** (a) High-speed filming of FF propagation in the gas mixture at an initial pressure of 160 Torr in a quartz reactor in the presence of planar meshed obstacle placed at the 1/4 of reactor length, double spark discharge (1.5 J), speed of filming 600 frames/s. The figure on a frame corresponds to frame number at shooting. The first frame corresponds to occurrence of the spark discharge. Speed of filming 600 frames/s. (b) The time dependence of acoustic perturbations amplitude. Several corresponding frames from Figure (a) are shown. (c) Oscillogram of the time dependence of pressure change. (d) The part of oscillogram (c) with extended time scale.