



INTERACTION BETWEEN TAYLOR WAVE AND FREE BOUNDARY OF FLUID LAYER

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A nonsteady decaying shock wave (Taylor Wave) was generated by laser pulse in the fluid layer at the target evaporation $\sim 1 \mu\text{m}$ thickness at the lower boundary of the layer. The fluid layer thickness– from 1 up to 2 mm. The duration of the laser pulse ~ 10 ns. Initial amplitude of the shock wave ~ 100 MPa.

The report presents the experimental results obtained while investigating instability of the free boundary of the fluid layer and formed mixing zone.