

## **Experimental study of stationary shock-wave interaction with the developed turbulent mixing zone**

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RFNC-VNIITF used the OSA-facility for experiments aimed to study the Richtmyer-Meshkov instability with the developed turbulent mixing zone. A thin nitrocellulose film supported by the grid served as the separation membrane. The stationary shock wave destroyed the separation membrane and formed the zone of developed turbulence. After the wave was reflected, growth of the turbulent mixing zone was investigated with the help of the shadow technique. Experimental results were used to construct the “mixing zone width versus time” relationship.