Interaction of the stream of the striking elements with barriers and cumulative ammunition

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In work results of numerical modeling of interaction of a stream of the striking elements with the spaced barriers and cumulative ammunition are presented. Modeling is carried out in three-dimensional statement by means of the author’s computing code EFES. Range of speeds of interaction 600–3000 m/sec, and angles of a meeting from 0 to 60 degrees is considered. Influence of speed of impact, a form of the striking elements on destruction of designs is investigated. Comparison with experimental data is carried out. The work has been conducted with the financial support of Russian Foundation for Basic Research (project No. 16-31-00125; project No. 16-38-00256), and of the grant of the President of the Russian Federation No. MK-413.2017.1.