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Pressure waves in a liquid suspension with solid particles and gas bubbles. (English)

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Summary: The evolution and structure of pressure waves of moderate intensity in a liquid suspension with solid particles and gas bubbles were investigated experimentally. The experimental data was generalized on the basis of theoretical relations. It was shown that dispersive and non-linear effects significantly affect wave dynamics.

MSC:

76Txx Multiphase and multicomponent flows

Cited in 1 Document

Keywords:

three-phase medium; liquid suspension with solid particles; gas bubbles; pressure waves

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