
Laser optoacoustic micromanipulator for the gas microbubbles

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An optical-acoustic micromanipulator with a focused laser beam is considered. A spatial distribution of the potential averaged radiation pressure force of a micromanipulator is obtained. It is shown that in the exciting laser radiation acoustic field of a gas microbubble will tend to move toward the center of the laser beam waist.

Keywords: *lasers, micromanipulators, gas bubble, optoacoustic effect, radiation pressure*

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