

OPTICAL GENERATION OF SOUND
BY AN ENSEMBLE OF INCLUSIONS
REGULARLY ARRANGED
IN A DIELECTRIC MATRIX

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S u m m a r y

The photo-acoustic effect in systems consisting of light-absorbing macroparticles regularly arranged in a dielectric matrix has been studied. Two limit cases of the incident light modulation have been examined. The advantage of the illumination with light pulses and the opportunity to use the photo-acoustic effect for diagnostics have been demonstrated.