

ACOUSTIC STUDIES OF THE EFFECT OF X-RAY
IRRADIATION ON THE DYNAMIC DRAG
OF DISLOCATIONS IN LiF CRYSTALS

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S u m m a r y

The dislocation resonance in LiF single crystals with the residual deformation $\varepsilon = 1.5\%$ is studied by the pulsed method in the range of radiation doses 0–660 R and the frequency range 22.5–232.5 MHz at room temperature. Based on the analysis of the obtained results, it is established that the X-ray irradiation of the crystals results in a significant change of the frequency and amplitude localizations of the dislocation resonance due to the variation of the mean effective length of a dislocation segment, whereas the viscosity coefficient B remains constant.