

THE LAWS OF A VARIANCE
AND MECHANISM OF CARRIER
SCATTERING IN THE *n*-PbSe CRYSTALS

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S u m m a r y

We investigate the main mechanisms of carrier scattering in the crystals of *n*-PbSe in the temperature range 4.2 - 300 K in the concentration interval $10^{16} - 10^{20}$, m^{-3} with usage of the quadratic and nonquadratic laws of dispersion. The best correspondence with experimental data is received for the quadratic law. The probable contribution of inelastic mechanisms in the dispersion of charge carriers is analyzed.