

EXCITON SPECTRA
AND THEIR RENORMALIZATION
BY THE EXCITON-PHONON
INTERACTION IN LAYERED CRYSTALS

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S u m m a r y

We consider exciton states for the layered semiconductor GaSe with electron and hole spectra described by the Fivaz dispersion law. It is shown that the problem of the calculation of Wannier-Mott exciton spectra for this crystal is reduced to solving a differential equation with operator chain fractions. The exciton dispersion law obtained from this equation is used in the calculations of the real and imaginary parts of the mass operator describing the exciton-phonon interaction.