

ENERGY SPECTRA OF EXCITONS
OF VARIOUS RADII

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S u m m a r y

The energy spectra, dispersion laws, widths of exciton bands, and effective masses for excitons of large and small radii have been investigated. The account of the crystal lattice discreteness allows us to reveal some new features of excitons: the anisotropy of their relative motion and the dependences of the Rydberg exciton constant and the exciton band width on the main quantum number n .