

EXCITONIC SPECTRUM
OF A MECHANICALLY STRAINED
ZnSe/ZnS QUANTUM WELL

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S u m m a r y

Energy levels of Wannier excitons in a strained ZnSe/ZnS quantum well (QW) whose L_w thickness is smaller than the Bohr excitonic radius a_0 are calculated. The effect of the finite thickness of the QW is calculated in the framework of the perturbation theory by using the equivalent Hamiltonian method. The binding and formation energies of a $1s$ -exciton in the strained ZnSe/ZnS layer are defined as functions of L_w .