

SPECTROSCOPY OF EXCITON STATES
IN QUASI-ZERO-DIMENSIONAL
SEMICONDUCTOR SYSTEMS

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S u m m a r y

The results of theoretical researches of the energy spectra of excitons moving in quasi-two-dimensional semiconductor systems, which comprise spherical semiconductor quantum dots dispersed in semiconductor (dielectric) matrices, have been summarized. New methods, optical and electrooptical ones, have been used to demonstrate the capability to determine a number of fundamental parameters of quasi-zero-dimensional structures.