

DEPENDENCE OF THE BARIC COEFFICIENT
OF A QUANTUM POINT ON ITS DIMENSIONS

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S u m m a r y

In the framework of the deformation potential model, the baric coefficient of a quantum point (QP) of spherical symmetry has been calculated as a function of the QP dimensions and the energy of the transition into the ground state. The baric coefficient of the material of the InAs QP with a radius of about 40 Å has been determined to be smaller than that of the bulk InAs by 19%.