# RESONANT IMPURITY SCATTERING IN UNIAXIALLY STRESSED *p*-Ge

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S u m m a r y

The effective cross-section of impurity scattering of holes is calculated with resonant impurity states taken into account. Dependence of the cross-section on hole energy has a resonant character. Increasing uniaxial stress involves decreasing the scattering cross-section and resonant peaks. Resonances are absent for scattering in parallel to the direction of uniaxial stress and maximal in the perpendicular direction. Anisotropy of the cross-section in the momentum (real) space is explained by anisotropy of the perturbation of the free-state wave function that is induced by the potential of the impurity center.