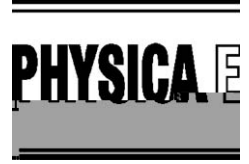


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Physica E 32 (2006) 93–96



Theoretical predictions of the electronic and optical properties of single and coupled (In,Ga)As/GaAs quantum dots

splitting remains nearly unchanged. (iii) As height increases, the “s” and “p” character of the wave function of

in Fig. 1 the relative error for hole–hole Coulomb
 $= J^{hh}/J_{ss}^{hh} \text{ atm} = J^{hh}/J_{ss}^{hh} \text{ 2D}$ and exchange energies
 $= K^{hh}/J_{ss}^{hh} \text{ atm} = K^{hh}/J_{ss}^{hh} \text{ 2D}$, where “atm” and “2D”
means, respectively, atomistically calculated J

