Solid State Sciences
Volume 14, Issue 4, April 2012, Pages 440-444

The hydrostatic pressure effects on intersubband optical absorption of n -type δ-doped quantum well in GaAs

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https://doi.org/10.1016/j.solidstatesciences.2012.01.020

Abstract

We have theoretically calculated the effects of hydrostatic pressure on subband structure and optical transitions in n -delta-doped quantum well (DDQW) in GaAs for different values of energy. The electronic structure of DDQW under the hydrostatic pressure is determined by solving the Schrödinger equation