

Turkish Journal of Physics

Turkish Journal

of

Physics

Statistics and Size-Quantized Anisotropy of Electron States in n-Ge and n-Si Films

Bahshali KULIEV, Vugar GADJIEV
Baku State University, Physical Department Baku,
370148, Academician Z. Halilov street, 23,
Azerbaijan Republic}

Abstract: The wave functions and energy spectrum of electrons in size-quantized n-Ge and n-Si films are obtained and the anisotropy of the electron state density is investigated. Also, the analytical expressions for the electronic part of heat capacity at the various approximations of electron gas degeneration are obtained.

 [Keywords](#)
 [Authors](#)



Turk. J. Phys., **22**, (1998), 1047-1052.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Phys., vol.22, iss.11.](#)

phys@tubitak.gov.tr

[Scientific Journals Home](#)
[Page](#)