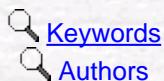


Turkish Journal of Mathematics

Turkish Journal
of
Mathematics



math@tubitak.gov.tr

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



Asymptotic Formulas for the Resonance Eigenvalues of the Schrödinger Operator

Sedef KARAKILIÇ

Dept. of Math., Fac. of Art and

Science, Dokuz Eylül Univ.,

Tınaztepe Camp., Buca, 35160, İzmir-TURKEY

e-mail: sedef.erim@deu.edu.tr

Oktay A. VELIEV,

Dep. of Science, Doğuş Univ.,

Acıbadem, Kadıköy, 81010,

İstanbul-TURKEY

e-mail: oveliev@dogus.edu.tr

Şirin ATILGAN

Dep. of Math., Fac. of Science,

İzmir Inst. of Technology,

Gülbahçe, Urla, İzmir-TURKEY

e-mail: sirinatilgan@iyte.edu.tr

Abstract: In this paper, we consider the Schrödinger operators defined by the differential expression $Lu = -\Delta u + q(x)u$ in d -dimensional parallelepiped F , with the Dirichlet and the Neumann boundary conditions, where $q(x)$ is a real valued function of $L_2(F)$. We obtain the asymptotic formulas for the resonance eigenvalues of these operators

Turk. J. Math., **29**, (2005), 323-347.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.29, iss.4](#).