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Multiple eigenvalues of the Laplace operator. (English. Russian original) Zbl 0672.35049
Math. USSR, Sb. 61, No. 1, 225-238 (1988); translation from *Mat. Sb., Nov. Ser.* 133(175), No. 2, 223-237 (1987).

The estimates from above for the multiplicity of the eigenvalues of the Schrödinger operators on compact Riemannian two-dimensional manifolds are obtained. The paper contains also several examples illustrating the sharpness of the results.

Reviewer: M.A.Perelmuter

MSC:

- [35P15](#) Estimates of eigenvalues in context of PDEs
- [35J10](#) Schrödinger operator, Schrödinger equation
- [35J15](#) Second-order elliptic equations
- [58J50](#) Spectral problems; spectral geometry; scattering theory on manifolds

Cited in **3** Reviews
Cited in **9** Documents

Keywords:

estimates from above; multiplicity; Schrödinger operators; compact Riemannian two-dimensional manifolds

Full Text: [DOI](#)