

Two-term spectral asymptotics for the Dirichlet Laplacian in a Lipschitz domain

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We consider the Dirichlet Laplace operator in a bounded domain with Lipschitz-regular boundary and study the asymptotic behaviour of its eigenvalues. In particular, we prove a two-term asymptotic expansion for the sum of eigenvalues and show that the obtained remainder is optimal.

The talk is based on joint work with Rupert Frank.