Concentration of eigenfunctions on singular Riemannian manifolds

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Abstract: *I will introduce Weyl asymptotics for the Laplace-Beltrami operator on a class of Riemannian manifolds with boundary, where the metric is singular at the boundary. In joint work with Charlotte Dietze, we establish a profile for the concentration of high-energy eigenfunctions near the boundary. Our motivation comes from the study of gas giants.*