
NODAL SETS OF STEKLOV EIGENFUNCTIONS NEAR THE BOUNDARY

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November 2, 2020

We will discuss zero sets of Steklov eigenfunctions: we show that there are many zeros near the boundary and improve on previous lower and upper bounds for the Hausdorff measure of the zero set; several questions remain unanswered. Comparisons with the (slightly) better understood case of eigenfunctions of the Laplace-Beltrami operator will also be provided.