**KSHITIJ PATIL**, Simon Fraser University
*Generalized Steklov-Helmholtz eigenvalues in the plane*

For wave numbers in the first quadrant of the complex plane, we study the Steklov-Helmholtz eigenvalue problem on interior and exterior domains in the plane with Lipschitz boundaries. We show existence and discreteness of the eigenvalues in the case that the problem is not self-adjoint. High accuracy numerical computations lead to some conjectures related to the spectral geometry of the problem.