

GROMOV COMPACTNESS OF MANIFOLDS WITH BOUNDARY AND STABILITY IN INVERSE BOUNDARY SPECTRAL PROBLEMS

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In this talk (joint with A Katsuda, M Lassas and M Taylor) we formulate geometric conditions on Riemannian manifolds with boundary which guarantee their (pre)compactness in the Gromov-Hausdorff topology. We study the metric properties of the closure of this set. We show that the Gel'fand inverse boundary spectral problem is uniquely solvable in this class and prove a corresponding result on relative stability.