Fano-Ricci limit spaces and spectral convergence

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Abstract

We study the behavior under Gromov-Hausdorff convergence of the spectrum of weighted $\bar{\partial}$-Laplacian on compact Kähler manifolds. This situation typically occurs for a sequence of Fano manifolds with anticanonical Kähler class. This talk is based on a joint work with S. Honda and S. Saito.