

A graph discretization of the Laplace-Beltrami operator

Yaroslav Kurylev, University College London, UK

Abstract: This Talk (joint with D. Burago and S. Ivanov) deals the properties of the Laplace operator on a graph. We show that if this graph is a metric-measure approximation of a R. manifold, it provides a spectral approximation of the Laplace on the manifold