İSTANBUL ANALYSIS SEMINARS

GROMOV (NON-)HYPERBOLICITY OF PSEUDOCONVEX DOMAINS

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Abstract: We will mainly discuss two results about Gromov (non-)hyperbolicity of pseudo-convex domains with respect to the Kobayashi distance. The first one is due to Balogh and Bonk (2000): any strongly pseudoconvex domain is Gromov hyperbolic. The second one is a very recent result by Gaussier and Seshadri (December 2013): any smooth convex domain with analytic discs on the boundary is not Gromov hyperbolic.

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