

Meeting: 1002, Pittsburgh, Pennsylvania, SS 12A, Special Session on Geometric Analysis and Partial Differential Equations in Subelliptic Structures

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Apollonian metric of domains in Heisenberg group. Preliminary report.

The Apollonian metric of domains in $\bar{\mathbb{R}}^n$ was introduced in 1997 by A. Beardon. It has recently been studied by Beardon, Gehring & Hag, Hästö, Ibragimov and others and shown to be useful tool in geometric function theory. We will briefly report on these results and discuss some of these ideas in the setting of Heisenberg group. (Received August 10, 2004)