

UNIVERSITY OF CRETE
DEPARTMENTS OF MATHEMATICS AND APPLIED MATHEMATICS

ANALYSIS SEMINAR

10:00am, Wednesday, 4 March 2020
Room A-303

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Equidistant points in the Heisenberg group

We prove that the Hausdorff and the metric (equidistant) dimension of the first Heisenberg group endowed with the homogeneous metric are both equal to 4. This is in contrast to the Euclidean 3-space where the metric dimension is 4. The proof is an explicit construction of a normalised quadruple of equidistant points in the Heisenberg group.

This is a joint work with J. Kim.