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Piotr Hajlasz* (hajlasz@pitt.edu). *The Lipschitz and the Holder topology of the Heisenberg groups*. Preliminary report.

The Heisenberg group is homeomorphic to the Euclidean space so from the perspective of the classical topology it is not particularly interesting. The situation is however, different if we restrict to Lipschitz and Holder continuous maps. For example if we consider Lipschitz or Holder homotopy groups. I will discuss new results in this direction. Part of this research has been done in collaboration with other mathematicians. (Received July 12, 2016)