Aroldo Kaplan* (kaplan@math.umass.edu). *Heisenberg groups and division algebras.*
Associated to every division algebra there are two series of Heisenberg-like algebras. Every non-compact simple Lie algebra other than so(1,n) contains a unique standard parabolic subalgebra whose nilradical is one of those. The corresponding parabolic geometry arises as the infinity of the corresponding Damek-Ricci metric. (Received September 27, 2017)