

1135-53-3217      **Aroldo Kaplan\*** ([kaplan@math.umass.edu](mailto: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  $\mathfrak{so}(1,n)$  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)