1005-53-131 **David Duchemin*** (`duchemin@math.uqam.ca`), dpartement de mathmatiques, Universit du Qubec Montral, C.P. 8888, succursale centre ville., Montral, H3C 3P8, Canada. *Quaternionic contact geometry in dimension 7.*

The conformal infinity of a quaternionic-Kähler metric on a 4n-manifold with boundary is a codimension 3 distribution on the boundary called quaternionic-contact. In dimension 4n-1 greater than 7, a quaternionic contact structure is always the conformal infinity of a quaternionic-Kähler metric. On the contrary, in dimension 7, we prove a criterion for quaternionic contact structures to be the conformal infinity of a quaternionic-Kähler metric. (Received February 04, 2005)