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Massimiliano Pontecorvo* (max@mat.uniroma3.it), Dipartimento di Matematica, Università
Roma Tre, L.go S.L. Murialdo, 1, 00146 Rome, Italy. *Twistor equations in conformal and
quaternionic geometry.*

We present some results concerning an interplay between complex and quaternionic geometry which is governed by a twistor equation defined on a subbundle of the 2-forms. We also discuss some connections with conformal geometry. (Received September 11, 2006)