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Title: (Para)quaternionic geometry, harmonic forms, and stochastical relaxation

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Both quaternionic and para-quaternionic geometry are important when studying harmonic forms and stochastical relaxation with the help of Fokker–Planck-type or Oguchi-type parabolic equations. In a recent paper the first-named author and H. M. POLATOGLU (2012) have shown that the five-dimensional case is the simplest case that the use of para-quaternions is more convenient than the use of quaternions. Now we discuss that case in some detail.

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