Title: Commutativity of Cho and normal Jacobi operators on real hypersurfaces in the complex quadric

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On a real hypersurface in the complex quadric we can consider the Levi-Civita connection and, for any non-zero real constant k, the k-th generalized Tanaka–Webster connection. We prove the non-existence of real hypersurfaces in the complex quadric for which the covariant derivatives associated to both connections coincide when they act on the normal Jacobi operator of the real hypersurface.

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