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Haydee Herrera* (haydeeh@camden.rutgers.edu), Department of Mathematical Sciences,
Rutgers University, Camden, NJ 08102. *Quaternion-Kähler manifolds and S^1 actions.*

I prove the vanishing of several indices of coupled Dirac operators on quaternion-Kähler manifolds admitting isometric circle actions. (Received August 16, 2007)