1052-53-296   **Brian Rolle*** (`broll002@math.ucr.edu`), Department of Mathematics, Surge 202, 900 University Ave., Riverside, CA 92521, and **Y S Poon** and **D Grandini**. *Variations of Cohomological Spaces of Generalized Complex Structures.*

Generalized complex structures have been a subject of interest since they were discovered and their deformations have been previously studied. In this paper we study deformations of generalized complex structures which leave the perturbed differential Gerstenhaber algebra quasi-isomorphic to the original. In the case of nilmanifolds, we develop conditions for an infinitesimal deformation to be quasi-isomorphic. (Received August 31, 2009)