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**Sirin Aktay\*** (sirins@anadolu.edu.tr) and **Nulifer Ozdemir**.  *$G_2$  Structures and almost contact metric structures deformed by vector fields.*

In this study, we give some recent results on deformations of manifolds with  $G_2$  structures by vector fields together with examples. We also study the deformation of almost contact metric structures induced by  $G_2$  structures and investigate the class of the new almost contact metric structure obtained by the deformation. (Received January 29, 2016)