

Inequality for Doubly Warped Product Manifolds

Authors : Morteza Faghfour

Abstract : In this paper we establish a general inequality involving the Laplacian of the warping functions and the squared mean curvature of any doubly warped product isometrically immersed in a Riemannian manifold.

Keywords : integral submanifolds, S-space forms, doubly warped product, inequality

Conference Title : ICMSS 2014 : International Conference on Mathematical and Statistical Sciences

Conference Location : Copenhagen, Denmark

Conference Dates : June 12-13, 2014