

## 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

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