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Some constructions of biharmonic maps on the warped product manifolds

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Abstract: In this paper, we characterize a class of biharmonic maps from and between product manifolds in terms of the warping function. Examples are constructed when one of the factors is either Euclidean space or sphere.

Keywords: harmonic map; biharmonic map; warped product

AMS Subject Classification: 31B30, 53C25, 58E20, 58E30

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