

## A CONDITION FOR CR-WARPED PRODUCT TO BE CR-PRODUCT IN KAEHLERIAN PRODUCT MANIFOLDS

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### Abstract

In this paper, the geometry of CR-warped product in a Kaehlerian product manifold  $\overline{M}_1 \times \overline{M}_2$  is studied. We give a necessary and sufficient condition for CR-warped product to be CR-product in a Kaehlerian product manifold  $\overline{M}_1(c_1) \times \overline{M}_2(c_2)$ .

**Keywords and phrases:** Kaehlerian product manifold, complex space form, CR-submanifold, CR-warped product, CR-product.

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