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On QR-Submanifolds of a Quaternionic Space form

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Abstract: In this paper, we investigate mixed QR-submanifolds in a quaternionic space form and pseudo umbilical QR-submanifold of a quaternionic space form under some additional condition. Finally we give a necessary condition for QR-submanifold of a quaternion Kaehler manifold such that $\dim \nu^{\perp} = 1$ to be a 3-quasi Sasakian Manifold.

 [Keywords](#)
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Key Words: Quaternion Kaehler Manifold, QR-Submanifold, Pseudo-Umbilical Submanifold, Mixed Geodesic QR-Submanifold, Almost Contact 3-Structure



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