

**ON GENERALIZED (κ, μ) -SPACE FORMS AND THEIR INVARIANT
SUBMANIFOLDS WITH QUARTER SYMMETRIC METRIC
CONNECTIONS**

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ABSTRACT. In this paper we find some relations between curvature tensors with respect to quarter symmetric and Levi-Civita connections. We study the second order parallel tensor in a generalized (κ, μ) -space form with respect to the quarter symmetric metric connection. We also study invariant submanifold of a generalized (κ, μ) -space form with respect to quarter symmetric metric connection.

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