Analytic Vector Fields on an Almost Hermite Manifolds

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Abstract: *This communication respectively deals with contravariant almost analytic vector fields and contravariant almost analytic vector fields on a Kaehler manifold admitting semi- symmetric metric connection. The nature and behavior of curvature tensor $\tilde{K}(x, y, z)$ associated with semi-symmetric metric connection and also that of concircular curvature tensor $C(X, Y, Z)$ has also been studied.*

Keywords: Kaehler manifold, Hermite Manifold, semi-symmetric, curvature tensor, concircular curvature.

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