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Title: *Pseudo-Riemannian Jacobi–Videv manifolds*

Abstract: Let $J(x)y = R(y, x)x$ be the Jacobi operator of a pseudo-Riemannian manifold. If $J(x)J(y) = J(y)J(x)$ for all tangent vectors x and y , then the manifold is said to be Jacobi–Tsankov. Let be r the Ricci operator. If $J(x)r = rJ(x)$ for all x , then the manifold is said to be Jacobi–Videv. We exhibit several families of Jacobi–Videv pseudo-Riemannian manifolds which are not Einstein. We also exhibit Jacobi–Videv algebraic curvature tensors where the Ricci operator defines an almost complex structure. Various results are presented for manifolds having these and related properties. This is joint work with P. B. Gilkey.