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**On weakly projective symmetric manifolds.** (English) Zbl 1224.53039  
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Summary: The object of the present paper is to study weakly projective symmetric manifolds and its decomposability with several non-trivial examples. Among others it is shown that in a decomposable weakly projective symmetric manifold both the decompositions are weakly Ricci symmetric.

**MSC:**

- 53B35 Local differential geometry of Hermitian and Kählerian structures
- 53B05 Linear and affine connections
- 53C15 General geometric structures on manifolds (almost complex, almost product structures, etc.)
- 53C25 Special Riemannian manifolds (Einstein, Sasakian, etc.)

Cited in 8 Documents

**Keywords:**

weakly projective symmetric manifold; weakly Ricci symmetric manifold; projective curvature tensor; decomposable manifold; scalar curvature

**Full Text:** [EuDML](#)