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On weakly and pseudo concircular symmetric structures on a Riemannian manifold. (English)

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The authors study the notions of weakly concircular symmetric and pseudo concircular symmetric Riemannian manifolds which extends the concepts of weakly symmetric and pseudo symmetric Riemannian manifolds considered by L. Tamassy, T. Binh and M.C. Chaki. Totally umbilical and totally geodesic hypersurfaces of these special spaces are characterized. Also an example of a weakly concircular symmetric Riemann manifold is given.

Reviewer: [Iulia Hirică \(București\)](#)

MSC:

[53B20](#) Local Riemannian geometry
[53B15](#) Other connections

Cited in **9** Documents

Keywords:

[weakly symmetric manifold](#); [pseudo symmetric manifold](#); [totally umbilical](#); [totally geodesic](#); [mean curvature](#); [scalar curvature](#)

Full Text: [EuDML](#)

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