

## عنوان مقاله:

On pseudoconvexity conditions and static spacetimes

## محل انتشار:

مجله هندسه فینسلر و کاربردهای آن, دوره 3, شماره 1 (سال: 1401)

تعداد صفحات اصل مقاله: 7

## نویسندگان:

Mehdi Vatandoost - *Department of Mathematics and Computer Sciences, Hakim Sabzevari University, Sabzevar, Iran*

Rahimeh Pourkhandani - *Department of Mathematics and Computer Sciences, Hakim Sabzevari University, Sabzevar, Iran*

## خلاصه مقاله:

Recently, the relationship between (geodesics) convexity, connectedness, and completeness properties in Riemannian manifolds  $(\Sigma; h)$  and the causal properties in Lorentzian static spacetimes  $(M; g) = (R \times \Sigma; -dt^2 + h)$  is studied. In this paper, some sufficient conditions are introduced to  $(\Sigma; h)$  be geodesically convex

## کلمات کلیدی:

Spacetimes, Causal structure, Pseudoconvexity, Convexity

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1814730>

