

Turkish Journal of Mathematics

Turkish Journal

of

Mathematics

 [Keywords](#)
 [Authors](#)



math@tubitak.gov.tr

[Scientific Journals Home](#)
[Page](#)

On Pseudohyperbolic Curves in Minkowski Space-Time

Çetin CAMCI

Department of Mathematics,
Faculty of Science,
Ankara University,
06100 Ankara-TURKEY

Kazım ILARSLAN

Department of Mathematics,
Faculty of Science and Arts,
Kocatepe University,
Afyon-TURKEY

e-mail: kilarслан@aku.edu.tr
Emilija SUCUROVIC

Department of Mathematics,
Faculty of Science,
Kragujevac University,
Radoja Domanovica 12, 34000
Yugoslavia

e-mail: emilija@knez.uis.kg.ac.yu

Abstract: In this paper, we characterize all spacelike, timelike and null curves lying on the pseudohyperbolic space H_0^3 in the Minkowski space-time E_1^4 . Moreover, we prove that there are no timelike and no null curves lying on the pseudohyperbolic space H_0^3 in Minkowski space-time E_1^4 .

Key Words: Minkowski space-time, pseudohyperbolic space, curvature

Turk. J. Math., **27**, (2003), 315-328.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.27, iss.2.](#)