


# Turkish Journal of Mathematics

Turkish Journal

of

Mathematics

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



[math@tubitak.gov.tr](mailto:math@tubitak.gov.tr)

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

On  $\phi$ -Recurrent Kenmotsu Manifolds

Uday Chand DE

Department of Mathematics, University of Kalyani  
Kalyani-741235, West Bengal-INDIA  
e-mail: uc\_de@yahoo.com

Ahmet YILDIZ

Art and Science Faculty, Department of Mathematics  
Dumlupınar University, Kütahya, TURKEY  
e-mail: ahmetyildiz@dumlupinar.edu.tr

A. Funda YALINIZ

Art and Science Faculty, Department of Mathematics  
Dumlupınar University, Kütahya, TURKEY  
e-mail: fyaliniz@dumlupinar.edu.tr

**Abstract:** The object of this paper is to study  $\phi$ -recurrent Kenmotsu manifolds. Also three-dimensional locally  $\phi$ -recurrent Kenmotsu manifolds have been considered. Among others it is proved that a locally  $\phi$ -recurrent Kenmotsu spacetime is the Robertson-Walker spacetime. Finally we give a concrete example of a three-dimensional Kenmotsu manifold.

**Key Words:** Kenmotsu manifolds,  $\phi$ -recurrent Kenmotsu manifolds, locally  $\phi$ -recurrent Kenmotsu manifolds.

---

Turk. J. Math., **33**, (2009), 17-25.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.33, iss.1.](#)