



Year: 2005

Vol.: 67

Fasc.: 3-4

Title: Randers spaces with reversible geodesics

Author(s): Mike Crampin

A Finsler space is said to have reversible geodesics if for every one of its oriented geodesic paths, the same path traversed in the opposite sense is also a geodesic. The conditions for a Randers space to have reversible geodesics are obtained; this leads to a new simple proof of a well-known theorem giving necessary and sufficient conditions for a Randers space to be Berwald.

Address:

Mike Crampin
Department of Mathematical Physics and Astronomy
Ghent University
Krijgslaan 281, B-9000 Gent
Belgium

Address for correspondence:

65 Mount Pleasant
Aspley Guise, Beds MK17 8JX
UK

E-mail: Crampin@btinternet.com