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Geodesic mappings and Einstein spaces. (English) [Zbl 1268.53049](#)

Kielanowski, Piotr (ed.) et al., Geometric methods in physics. XXX workshop, Białowieża, Poland, June 26 – July 2, 2011. Selected papers based on the presentations at the workshop. Basel: Birkhäuser (ISBN 978-3-0348-0447-9/hbk; 978-3-0348-0448-6/ebook). Trends in Mathematics, 331-335 (2013).

First the authors study the general dependence of geodesic mappings of (pseudo-)Riemannian manifolds in dependence on the smoothness class of the metric. Then they describe some properties of geodesic mappings of Einstein spaces.

For the entire collection see [\[Zbl 1254.00029\]](#).

Reviewer: [Miroslav Doupovec \(Brno\)](#)

MSC:

- [53C21](#) Methods of global Riemannian geometry, including PDE methods; curvature restrictions [Cited in 14 Documents](#)
- [53C25](#) Special Riemannian manifolds (Einstein, Sasakian, etc.)
- [53B21](#) Methods of local Riemannian geometry
- [53B30](#) Local differential geometry of Lorentz metrics, indefinite metrics

Keywords:

[geodesic mapping](#); [smoothness class](#); [Einstein space](#)

Full Text: [DOI](#) [arXiv](#)