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On some construction of harmonic maps between pseudo-Riemannian manifolds. (English)

Zbl 0786.53043

Szente, J. (ed.) et al., Differential geometry and its applications. Proceedings of a colloquium, held in Eger, Hungary, August 20-25, 1989, organized by the János Bolyai Mathematical Society. Amsterdam: North-Holland Publishing Company. Colloq. Math. Soc. János Bolyai. 56, 215-222 (1992).

Summary: We use the Hopf construction to give some new examples of harmonic maps between pseudo-Riemannian manifolds. It was first observed by *R. T. Smith* [Harmonic maps of spheres, Thesis, Warwick University (1972)] that the Hopf construction leads to harmonic maps.

For the entire collection see [Zbl 0764.00002].

MSC:

53C50 Global differential geometry of Lorentz manifolds, manifolds with indefinite metrics

58E20 Harmonic maps, etc.

Keywords:

[Hopf construction](#)