

Caddeo, R.; Montaldo, S.; Oniciuc, C.; Piu, P.

The classification of biharmonic curves of Cartan-Vranceanu 3-dimensional spaces. (English)

Zbl 1135.58009

Andrica, Dorin (ed.) et al., Modern trends in geometry and topology. Proceedings of the 7th international workshop on differential geometry and its applications, Deva, Romania, September 5–11, 2005. Cluj-Napoca: Cluj University Press (ISBN 973-610-429-X/hbk). 121-131 (2006).

The authors show that all the proper bi-harmonic curves parametrized by arc-length of the Cartan-Vranceanu 3-dimensional spaces are helices. The explicit parametrizations of these curves is provided.

For the entire collection see [Zbl 1119.53301].

Reviewer: [Vladimir Balan \(București\)](#)

MSC:

[58E20](#) Harmonic maps, etc.

Cited in **1** Review
Cited in **7** Documents

Keywords:

[bi-harmonic curves](#); [bi-harmonicity](#); [helices](#)

Full Text: [arXiv](#)