

[Hadzhilazova, Mariana Ts.](#); [Mladenov, Ivaïlo M.](#); [Djondjorov, Peter A.](#); [Vassilev, Vassil M.](#)  
**New parameterizations of the Cassinian ovals.** (English) [Zbl 1382.51016](#)

Mladenov, Ivaïlo M. (ed.) et al., Proceedings of the 12th international conference on geometry, integrability and quantization, Sts. Constantine and Elena (near Varna), Bulgaria, June 4–9, 2010. Sofia: Bulgarian Academy of Sciences. *Geometry, Integrability and Quantization*, 237-243 (2011).

**Summary:** Here we present a general scheme which leads effectively to the reconstruction of any plane curve whose curvature is specified by a function of the radial coordinate. As a concrete example we have derived two new parametrizations of the Cassinian ovals.

For the entire collection see [\[Zbl 1245.00049\]](#).

**MSC:**

[51M25](#) Length, area and volume in real or complex geometry

[53A04](#) Curves in Euclidean and related spaces

Cited in <b>1</b> Document
----------------------------

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