

Accepted Manuscript

Continuous-time orbit problems are decidable in polynomial-time

Taolue Chen, Nengkun Yu, Tingting Han

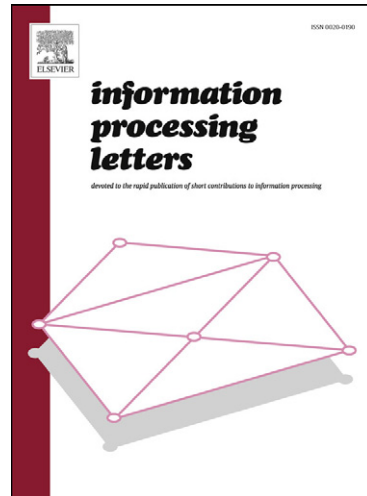
PII: S0020-0190(14)00162-8
DOI: [10.1016/j.ipl.2014.08.004](https://doi.org/10.1016/j.ipl.2014.08.004)
Reference: IPL 5143

To appear in: *Information Processing Letters*

Received date: 7 March 2014
Revised date: 10 August 2014
Accepted date: 10 August 2014

Please cite this article in press as: T. Chen et al., Continuous-time orbit problems are decidable in polynomial-time, *Information Processing Letters* (2014), <http://dx.doi.org/10.1016/j.ipl.2014.08.004>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- We revisit the continuous-time orbit problem studied by Hainry;
- We simplify the argument given by Hainry, providing a new algorithm for the problem;
- We perform complexity analysis based on the new algorithm and place the problem in \mathcal{P} .

Download English Version:

<https://daneshyari.com/en/article/10331100>

Download Persian Version:

<https://daneshyari.com/article/10331100>

[Daneshyari.com](https://daneshyari.com)