

Accepted Manuscript

Higher Order Approximation to the Hill Problem Dynamics about the Libration Points.

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PII: S1007-5704(17)30429-X
DOI: [10.1016/j.cnsns.2017.12.007](https://doi.org/10.1016/j.cnsns.2017.12.007)
Reference: CNSNS 4398



To appear in: *Communications in Nonlinear Science and Numerical Simulation*

Received date: 4 August 2017
Revised date: 5 December 2017
Accepted date: 6 December 2017

Please cite this article as: Martin Lara, Iván L. Pérez, Rosario López, Higher Order Approximation to the Hill Problem Dynamics about the Libration Points., *Communications in Nonlinear Science and Numerical Simulation* (2017), doi: [10.1016/j.cnsns.2017.12.007](https://doi.org/10.1016/j.cnsns.2017.12.007)

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Highlights

- A higher order, perturbation solution to the Hill problem is computed
- The solution is valid for the dynamics about the libration points
- The analytical solution captures all the relevant periodic orbits

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