

RELATIVE MOTION NEAR THE TRIANGULAR  
LIBRATION POINTS IN THE EARTH-MOON SYSTEM

by

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Abstract

As the triangular libration points in the Earth-Moon system are of potential interest for optical interferometry a study has been conducted to analyse their dynamical property adopting realistic models. First, quasi-periodic orbits have been identified, and second, their stability investigated. It turns out that relative motion leads to baseline variation of 1-20 cm/s, which may be unacceptably large for optical interferometry.