The Central Configurations of Many Bodies in 3D 田方正 Applied Statistics Management fctien@chu.edu.tw

## Abstract

This paper continues my last paper Tien [10] which provides the total number of central configurations with a special mass ratio in both planar and three dimensional cases. For the planner central configurations the total number of central configurations grows at the speed of , and the three dimensional is . The formulas such as , , , . Section 3 solves degenerate case during the continuation process. \*

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Keyword: celestial mechanics, central configurations