

# CompPhy1 Tempplate Practice

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## 1 Introduction

The two-body problem involves three forces, with one body staying fixed and the other two bodies not. The fixed point is the Sun, and the other two points are Earth and Jupiter that orbit around the sun, and around each other. The three body problem involves the same thing except the sun can move. This makes a moving central point of attraction. This point can also be known as the barycenter. This can be also known as the center of mass.

Figure 1 and Figure 2

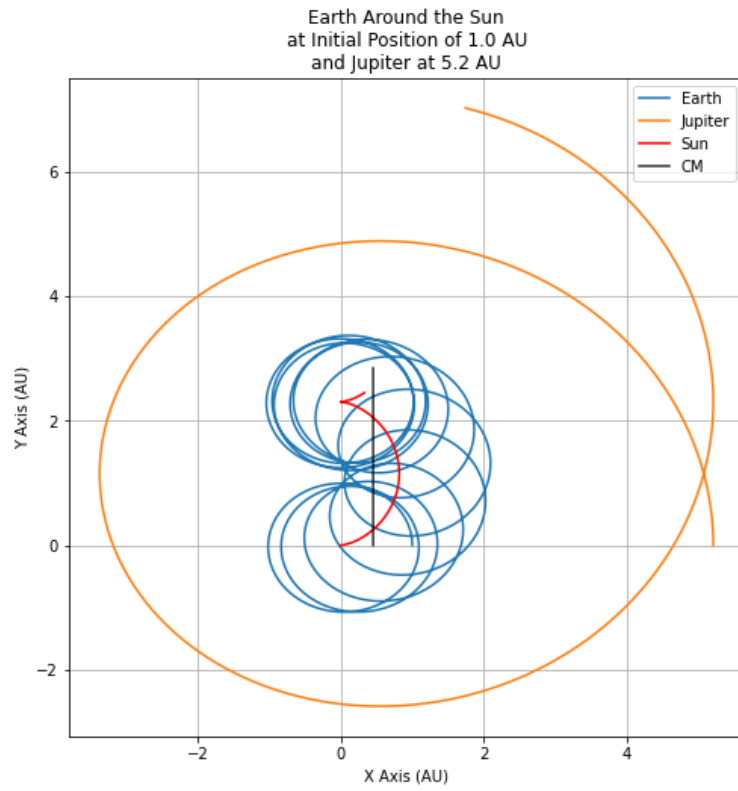


Figure 1: Jupiters mass is 100x greater.

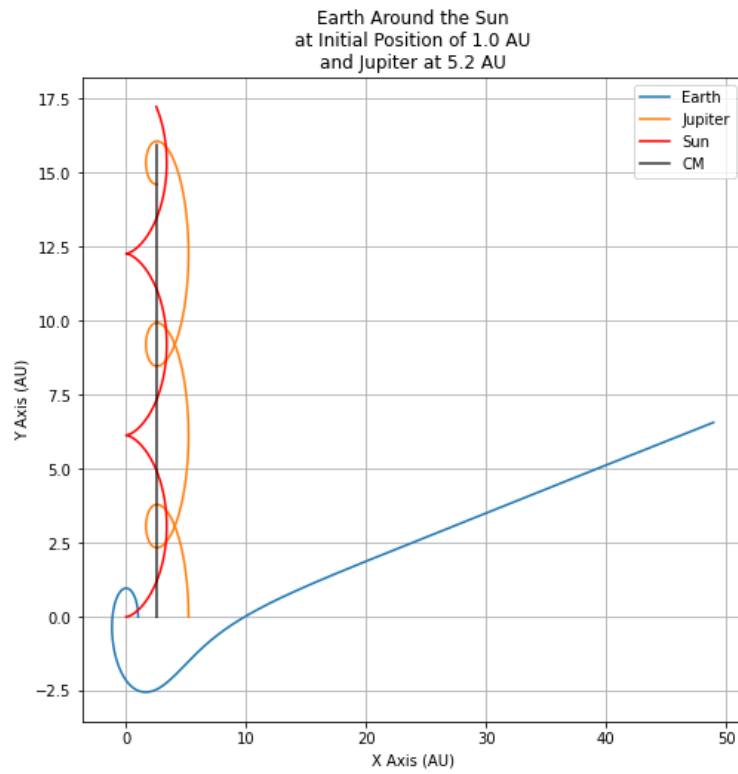


Figure 2: Jupiters mass is 1000x greater.