The position of the Sun is [0, 0, 0]; with velocity [0, 0, 0]; and angular momentum [0, 0, 0];

Perihelion angle and position: 0 0.3075 0.3075

The position of Mercury is [0.3075, 0, 0]; with velocity [0, 12.44, 0]; and angular momentum [0, 0, 6.345461463e-07];

Perihelion angle and position: 0 0.3075 0.3075

Total energy before: -8.461328226e-06

Total angular momentum before: [0, 0, 6.345461463e-07];

Perihelion angle and position: 0 0.3075 0.3075

Perihelion angle and position: -4.045528455e-06 0.3075 0.3075

Perihelion angle and position: -8.091056911e-06 0.3075 0.3075

Perihelion angle and position: -1.213658537e-05 0.3075 0.3075

Perihelion angle and position: -1.618211382e-05 0.3075 0.3075

Perihelion angle and position: -4.278733142e-06 0.3075 0.3075

Perihelion angle and position: -8.324261597e-06 0.3075 0.3075

Perihelion angle and position: -1.236979005e-05 0.3075 0.3075

Perihelion angle and position: -1.641531851e-05 0.3075 0.3075

Perihelion angle and position: -2.046084696e-05 0.3075 0.3075

Perihelion angle and position: -4.511937765e-06 0.3075 0.3075

Perihelion angle and position: -8.55746622e-06 0.3075 0.3075

Perihelion angle and position: -1.260299467e-05 0.3075 0.3075

Perihelion angle and position: -1.664852313e-05 0.3075 0.3075

Perihelion angle and position: -2.069405159e-05 0.3075 0.3075

Perihelion angle and position: -4.74514382e-06 0.3075 0.3075

Perihelion angle and position: -8.790672275e-06 0.3075 0.3075

Perihelion angle and position: -1.283620073e-05 0.3075 0.3075

Perihelion angle and position: -1.688172919e-05 0.3075 0.3075

Perihelion angle and position: -2.092725764e-05 0.3075 0.3075

Perihelion angle and position: -9.023880407e-06 0.3075 0.3075

Perihelion angle and position: -1.306940886e-05 0.3075 0.3075

Perihelion angle and position: -1.711493732e-05 0.3075 0.3075

Perihelion angle and position: -2.116046577e-05 0.3075 0.3075

Perihelion angle and position: -2.520599423e-05 0.3075 0.3075

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Perihelion angle and position: -1.330262236e-05 0.3075 0.3075

Perihelion angle and position: -1.734815081e-05 0.3075 0.3075

Perihelion angle and position: -2.139367927e-05 0.3075 0.3075

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Perihelion angle and position: -1.758136512e-05 0.3075 0.3075

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Perihelion angle and position: -2.567242203e-05 0.3075 0.3075

Perihelion angle and position: -2.971795049e-05 0.3075 0.3075

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Perihelion angle and position: -9.257166955e-05 0.3075 0.3075

Perihelion angle and position: -9.661719797e-05 0.3075 0.3075

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Perihelion angle and position: -8.471382698e-05 0.3075 0.3075

Perihelion angle and position: -8.87593554e-05 0.3075 0.3075

Perihelion angle and position: -9.280488383e-05 0.3075 0.3075

Perihelion angle and position: -9.685041225e-05 0.3075 0.3075

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Perihelion angle and position: -0.0006653482835 0.3075 0.3075

Perihelion angle and position: -0.0006693938101 0.3075 0.3075

Perihelion angle and position: -0.0006734393368 0.3075 0.3075

Perihelion angle and position: -0.0006774848635 0.3075 0.3075

Perihelion angle and position: -0.000661536006 0.3075 0.3075

Perihelion angle and position: -0.0006655815326 0.3075 0.3075

Perihelion angle and position: -0.0006696270593 0.3075 0.3075

Perihelion angle and position: -0.000673672586 0.3075 0.3075

Perihelion angle and position: -0.0006777181126 0.3075 0.3075

Perihelion angle and position: -0.0006617692526 0.3075 0.3075

Perihelion angle and position: -0.0006658147792 0.3075 0.3075

Perihelion angle and position: -0.0006698603059 0.3075 0.3075

Perihelion angle and position: -0.0006739058326 0.3075 0.3075

Perihelion angle and position: -0.0006779513592 0.3075 0.3075

Perihelion angle and position: -0.0006620025007 0.3075 0.3075

Perihelion angle and position: -0.0006660480274 0.3075 0.3075

Perihelion angle and position: -0.0006700935541 0.3075 0.3075

Perihelion angle and position: -0.0006741390807 0.3075 0.3075

Perihelion angle and position: -0.0006781846074 0.3075 0.3075

Perihelion angle and position: -0.000682230134 0.3075 0.3075

Perihelion angle and position: -0.0006662812763 0.3075 0.3075

Perihelion angle and position: -0.000670326803 0.3075 0.3075

Perihelion angle and position: -0.0006743723296 0.3075 0.3075

Perihelion angle and position: -0.0006784178563 0.3075 0.3075

Perihelion angle and position: -0.0006824633829 0.3075 0.3075

Perihelion angle and position: -0.0006665145261 0.3075 0.3075

Perihelion angle and position: -0.0006705600527 0.3075 0.3075

Perihelion angle and position: -0.0006746055794 0.3075 0.3075

Perihelion angle and position: -0.000678651106 0.3075 0.3075

Perihelion angle and position: -0.0006826966326 0.3075 0.3075

Perihelion angle and position: -0.0006667477737 0.3075 0.3075

Perihelion angle and position: -0.0006707933004 0.3075 0.3075

Perihelion angle and position: -0.000674838827 0.3075 0.3075

Perihelion angle and position: -0.0006788843536 0.3075 0.3075

Perihelion angle and position: -0.0006829298803 0.3075 0.3075

Perihelion angle and position: -0.0006869754069 0.3075 0.3075

Perihelion angle and position: -0.0006710265464 0.3075 0.3075

Perihelion angle and position: -0.0006750720731 0.3075 0.3075

Perihelion angle and position: -0.0006791175997 0.3075 0.3075

Perihelion angle and position: -0.0006831631263 0.3075 0.3075

Perihelion angle and position: -0.0006872086529 0.3075 0.3075

Perihelion angle and position: -0.0006712597905 0.3075 0.3075

Perihelion angle and position: -0.0006753053171 0.3075 0.3075

Perihelion angle and position: -0.0006793508438 0.3075 0.3075

Perihelion angle and position: -0.0006833963704 0.3075 0.3075

Perihelion angle and position: -0.000687441897 0.3075 0.3075

Total energy after: -8.461326838e-06

Total angular momentum after: [0, 0, 6.345461463e-07];

I just created a solar system that has 2 objects.

The program simulates 100 years.