MATHEMATICAL MODEL FOR ORBITAL TRANSFER

 P_{1} P_{2} P_{3} P_{4} P_{4} P_{4}

For a rendez-rous between S and Pz, S must be launched forom Pi when:

 $\theta = \pi \left(1 - \frac{\tau}{\tau_{2}} \right)$

where Tz: period of Tz (bnown)

and T: period of the ellipse of transfer as:

T= 4TT (s1+ s2) (know of Kepler)

where G: gravitational contant

M1: max of 12

Illutration of Hohmann orbit