

$$\nabla_{p} = \sqrt{\frac{2M r_{A}}{r_{P}(r_{P}+r_{A})}} \quad \nabla_{A} = \sqrt{\frac{2M r_{P}}{r_{A}(r_{P}+r_{A})}}$$

$$\Delta V = \Delta V_{P} + \Delta V_{A}$$

$$\Delta V_{P} = \sqrt{\frac{2M r_{A}}{r_{P}(r_{P}+r_{A})}} - \sqrt{\frac{M}{r_{P}}}$$

$$\Delta V_{R} = \sqrt{\frac{M}{r_{A}}} - \sqrt{\frac{2M r_{P}}{r_{A}(r_{P}+r_{A})}}$$

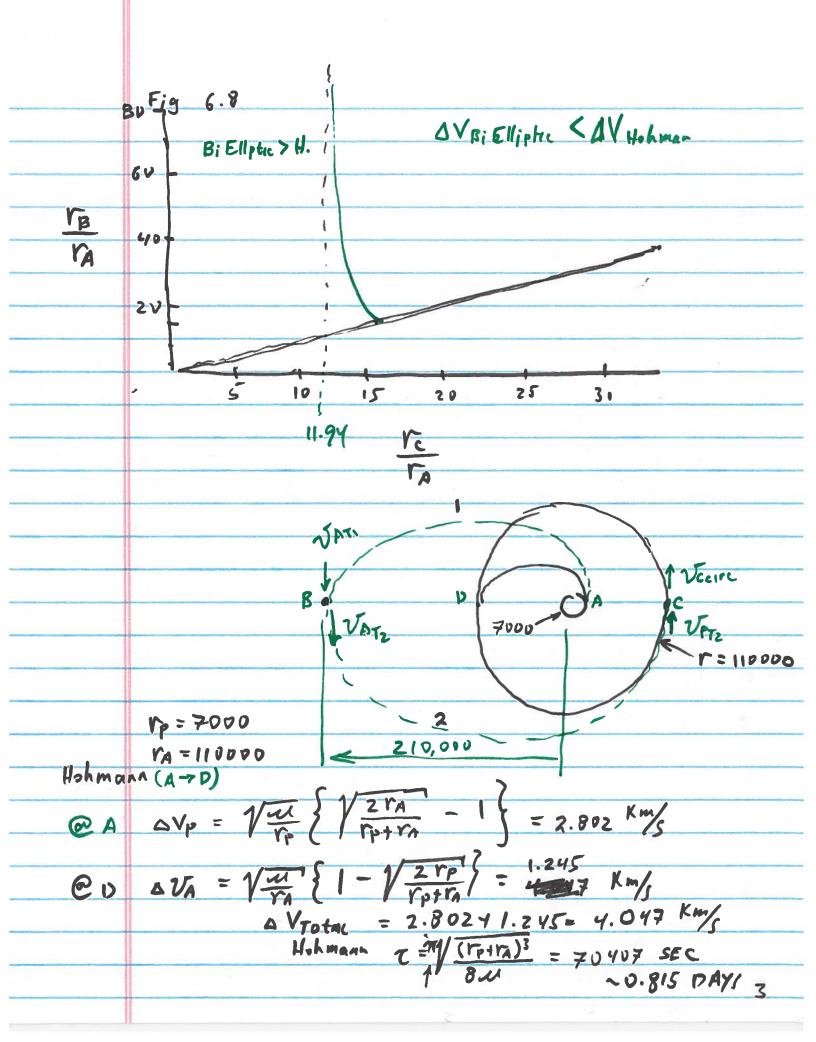
$$\Delta V_{P} = \sqrt{\frac{M}{r_{A}}} \left(\sqrt{\frac{2r_{A}}{r_{P}+r_{A}}} - 1\right)$$

$$\Delta V_{A} = \sqrt{\frac{M}{r_{A}}} \left(\sqrt{\frac{2r_{A}}{r_{P}+r_{A}}} - 1\right)$$

$$\Delta V_{A} = \sqrt{\frac{M}{r_{A}}} \left(\sqrt{\frac{2r_{A}}{r_{P}+r_{A}}} - 1\right)$$

$$\Delta V_{A} = \sqrt{\frac{M}{r_{A}}} \left(\sqrt{\frac{2r_{A}}{r_{A}}} - 1\right)$$

$$\Delta V_{A$$



= 4.0217 Km/5

4

4.047