· 7. (7x 7)

Substitute: $\vec{r} \cdot (\vec{r} \times \vec{h}) = \vec{r} \cdot (\mu \vec{e} + \frac{\mu \vec{r}}{r})$

cycle LHS: 7. (7xh)=(7x7).h=h.h

expand RHS: µt.ē + µt.ē + µr

agnate h= ur + ur · è

take è as a reference to measure of

n2=µ(r+recoef)

factor out I and solve for I

h2/u=r(1+ecxf)

 $\Gamma = \frac{h^2/\mu}{(1+e \cos f)}$

rodial equations