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540E 283
Compulational Assignment 6
Exercise 1: Motion of a Chaged Particle in a Unitary Migretic Field:
夏:-10-41次 (-t) な-banch
P(0.0,00,00,00) 4 7:31000 7/5 2 (2)
 In a unit may treed, the chaged or potents trajectory will be shaped.
 in a circular erbit - as magnific field is perpendicular to vacciny
    F. : qvxB
     \frac{mv^2}{R} · 9vB (\frac{1}{2}) \rightarrow · R · \frac{mv}{9B}
     ~ 9B
 An alpha patrale will $18 will knows concular matrice. Strang postion
 (c,c,o) and velociny is in f, i center as arrange path is 1 7 0
 the storing cent
          R. AB (a.o. p.R. (4-p), + (a-0), 18
      =) 2^{2} \cdot (y - 12)^{2} \cdot (\frac{m}{913})^{2}
          122. y = 2mvy + ( my )2 . ( my)2
          51. 72. 5 may
 The path or the potrole is given by (12mm) - y2, a, a) in this B
An Ho ion their enters by B has a regard chapte and have by
 meso of an elpha particle. I would expect to particle be spin in
 be appeared dicerces about (a) - \frac{1}{48}, a) miss about poil the
  redus ec erbit et by Elphe patien.
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Exercise 2 Motion of a Charged Portice in the Magnetice Feld of = Magnetic Operation $\frac{1}{8}(7)$, $\frac{1}{12}$ ($\frac{37}{12}$ ($\frac{17}{12}$), $\frac{1}{12}$ | $\frac{1}{12}$

I those by trejectory or to a -portrow will be a complex ting, excluding. This is all to the elliptical, varying from an act to \$\overline{B}\$ produced by a dispose

Actor plet:

Ly The plat is seemingly roadon, as to patrick make in alessed, emerbed patris. It plat in Execuse I was obtained aleasy, whereas this was not

Exercise 3: Motion de a Chageo Politice in a "Magnetire Baller"

I hypothesize but he charge particle's brejectors win be circular, but also driving event be position-the graph, based on the rule plat.

It will not be contred, as here are areas Joeps, and mornest would because or according to creative.

Li Plat net showing concerting! Se assume other questions besid on enline, help, and impulsion *

The parm seems small to book or Exercise 2, bit substancing distant from Exercise 1. Bessed a plan, to Particle and be contained.

Forcer , as formalistical in 7(t) remains relatively constain