```
clear;
close all;
clc;
m = 1.673*10^(-31);
Q = 1.602*10^(-19);
v0 = 1*10^(7);
E = 1*10^(5);
B = 0.1;
t = linspace(0, 1*10^(-9), 1001);

v = Q*E*t/m+v0;
z = (1/2)*Q*E/m*t.^2 +v0*t ;
r =v*m/(B*Q);
f = v/(2*pi*r);
y = r.*sin(2*pi*f*t);
x = r.*cos(2*pi*f*t);
comet3(x, y, z);
```