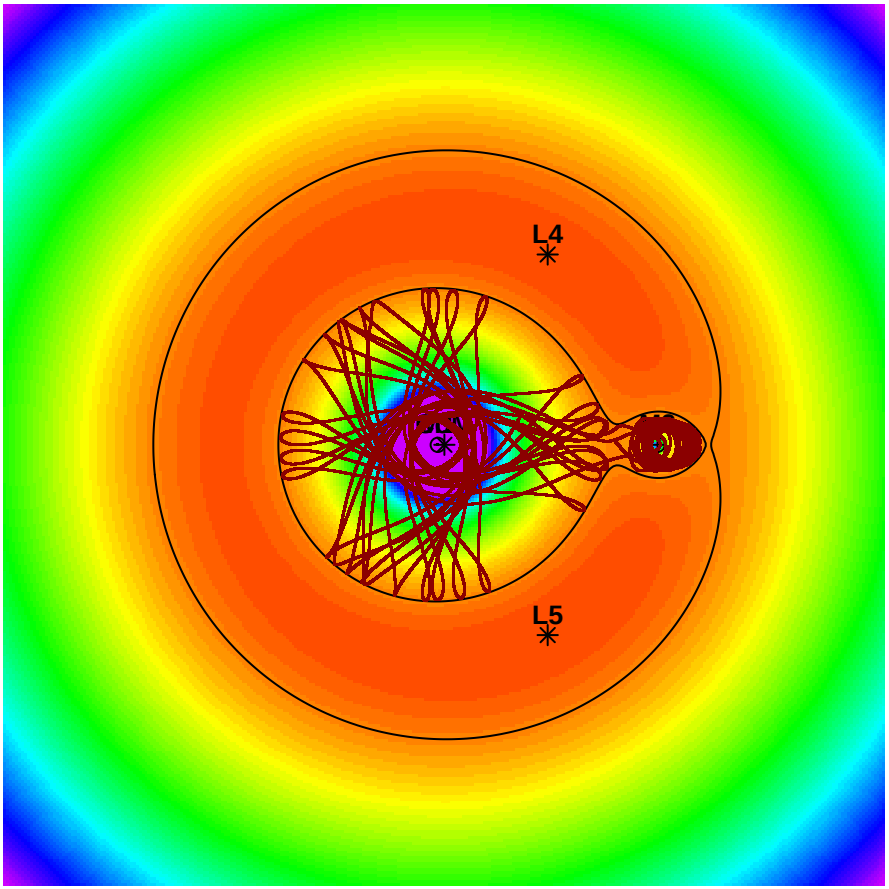
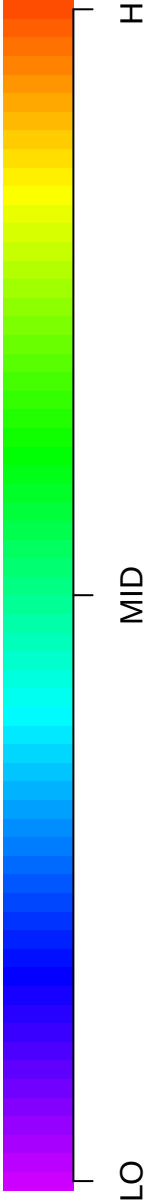
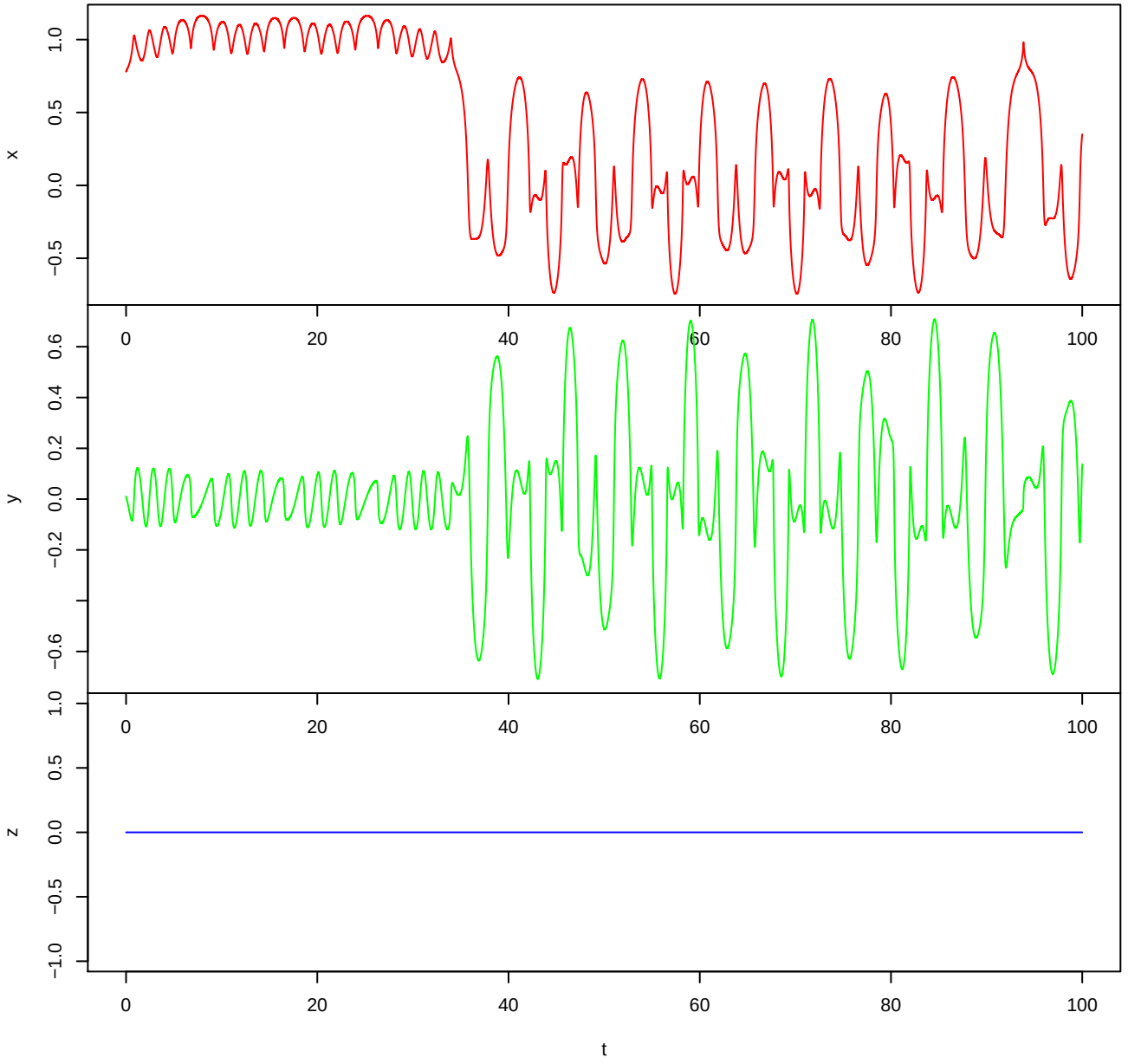
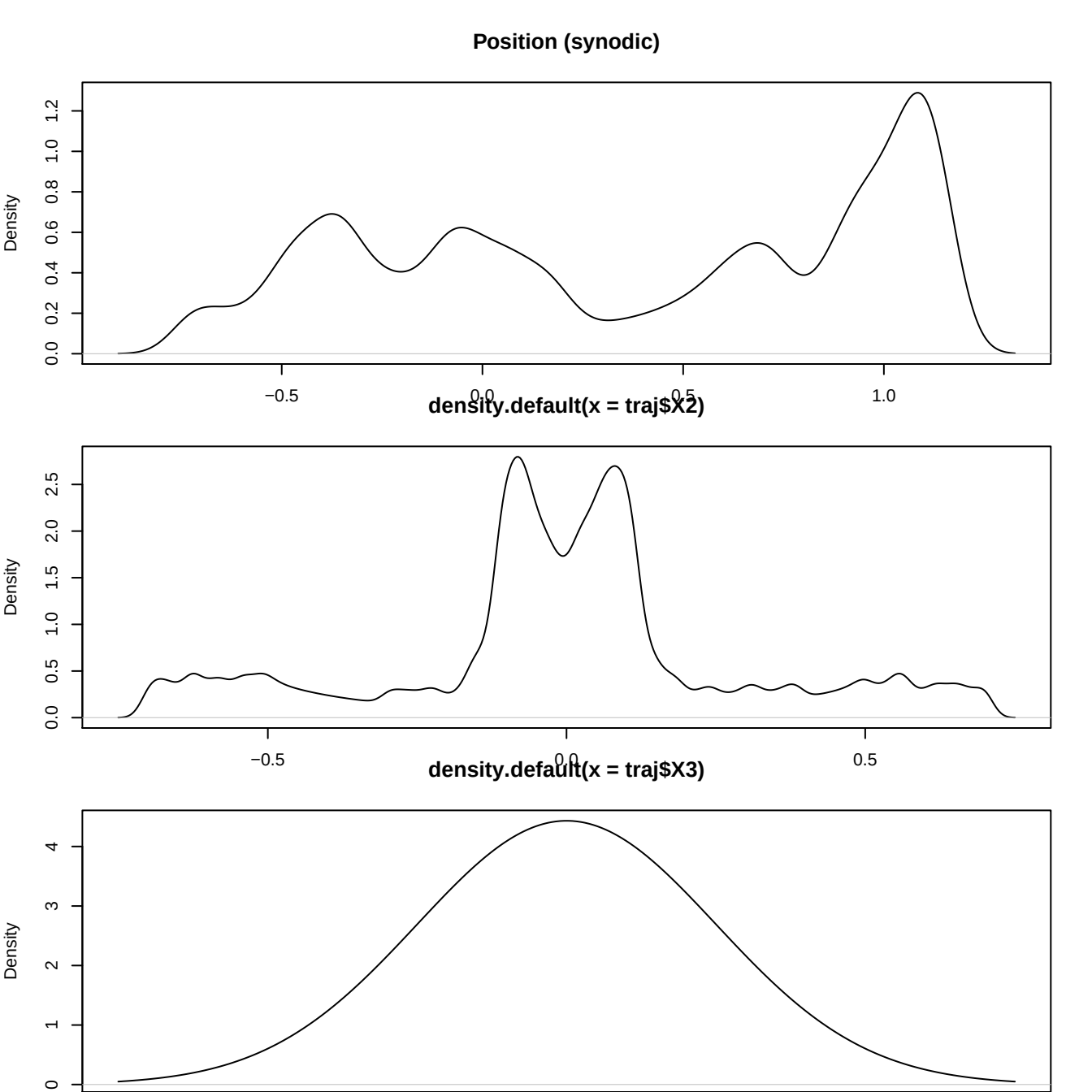
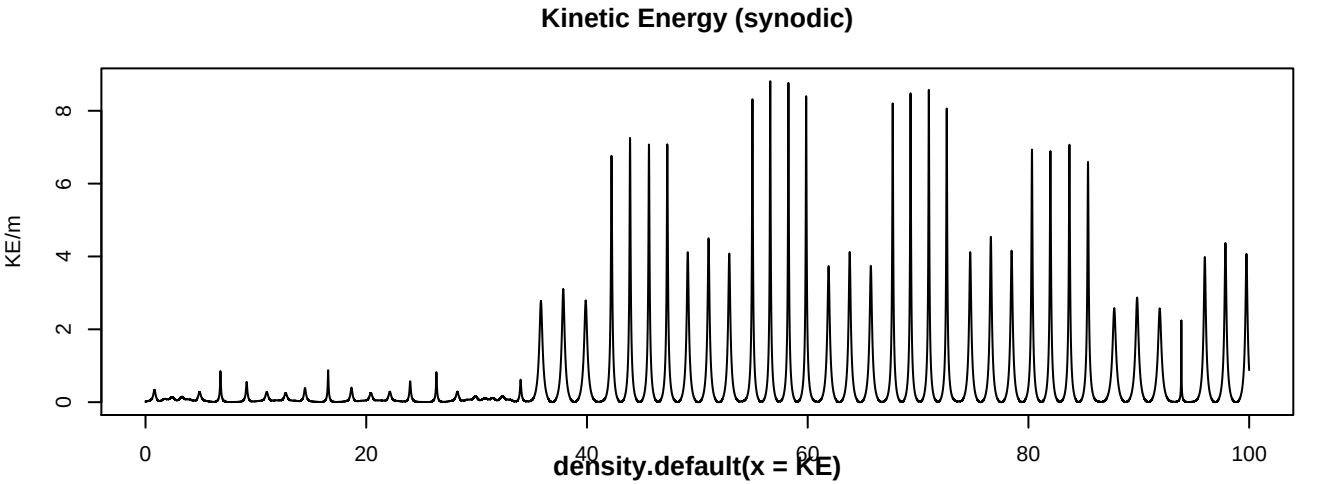
Synodic Trajectory

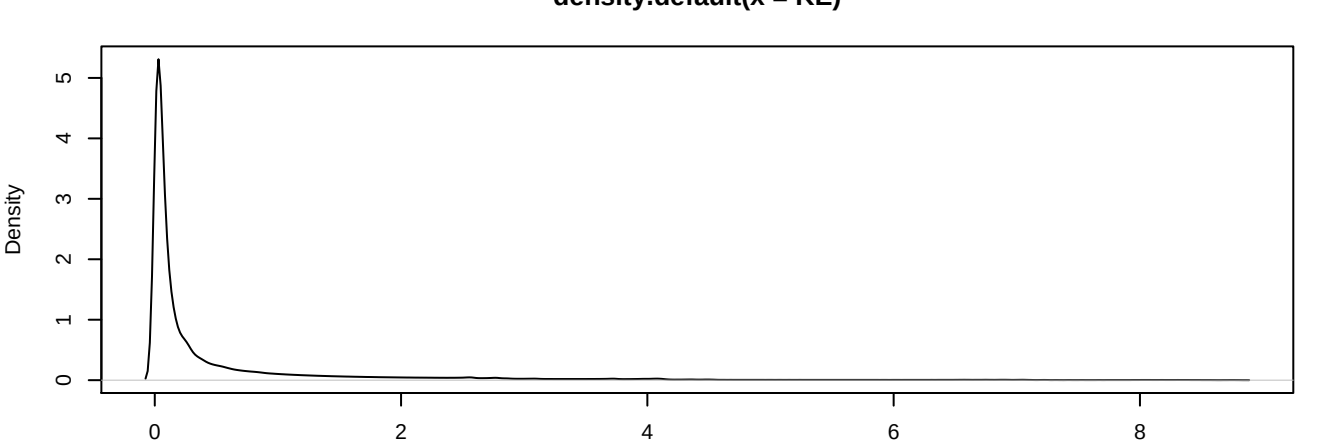


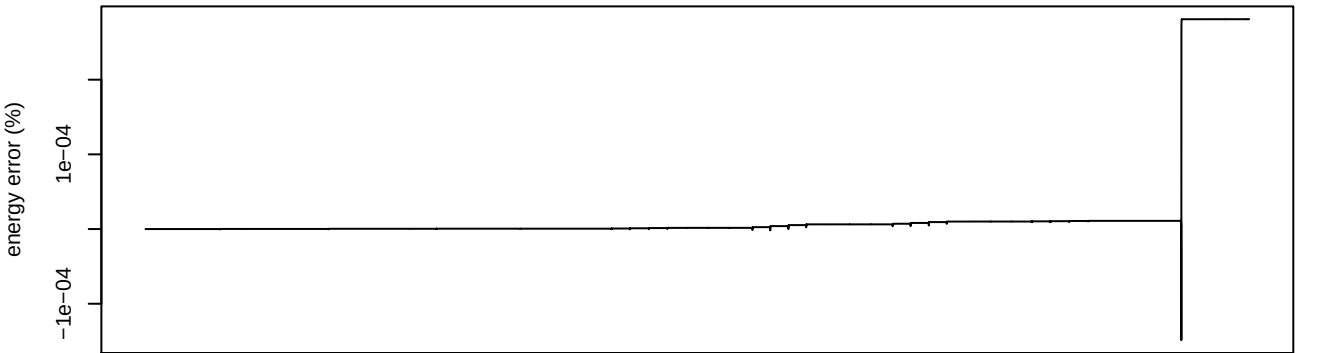


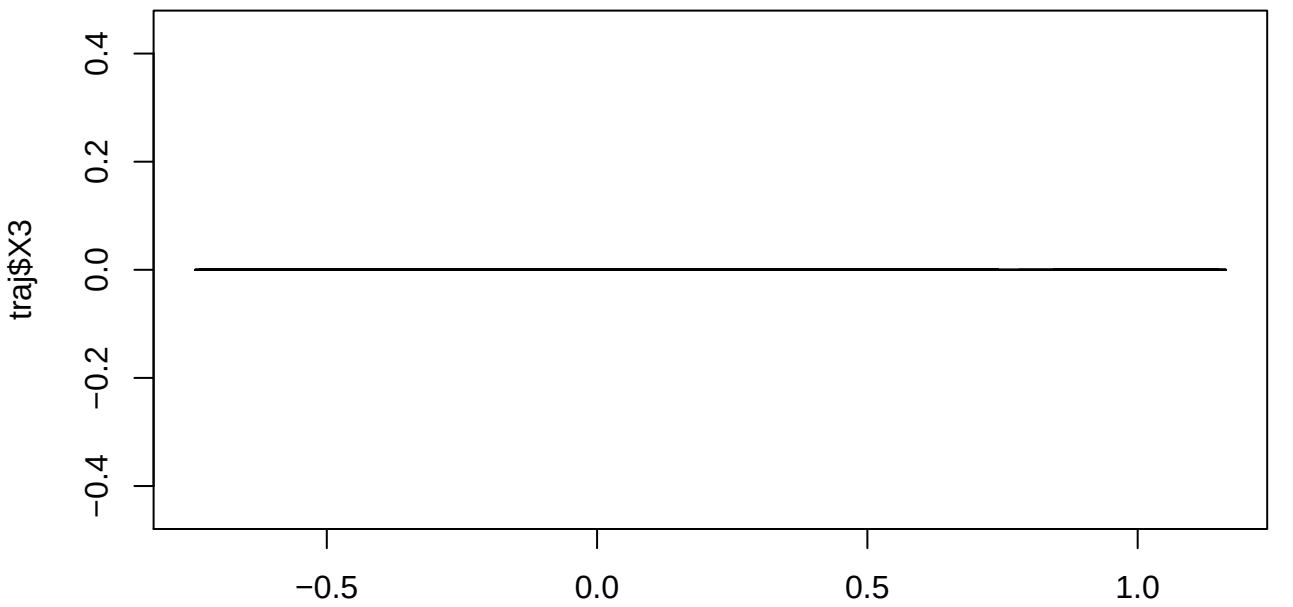

x
1.0
0.5
0.0
−0.5
y
0.6
0.4
0.2
0.0
−0.2
−0.6
z
1.0
0.5
0.0
−0.5
−1.0
0
20
40
60
80
100
t


Position (synodic)
Density
0.0
0.2
0.4
0.6
0.8
1.0
1.2
−0.5
0.0
0.5
1.0
density.default(x = traj$X2)
Density
0.0
0.5
1.0
1.5
2.0
2.5
−0.5
0.0
0.5
density.default(x = traj$X3)
Density
0
1
2
3
4

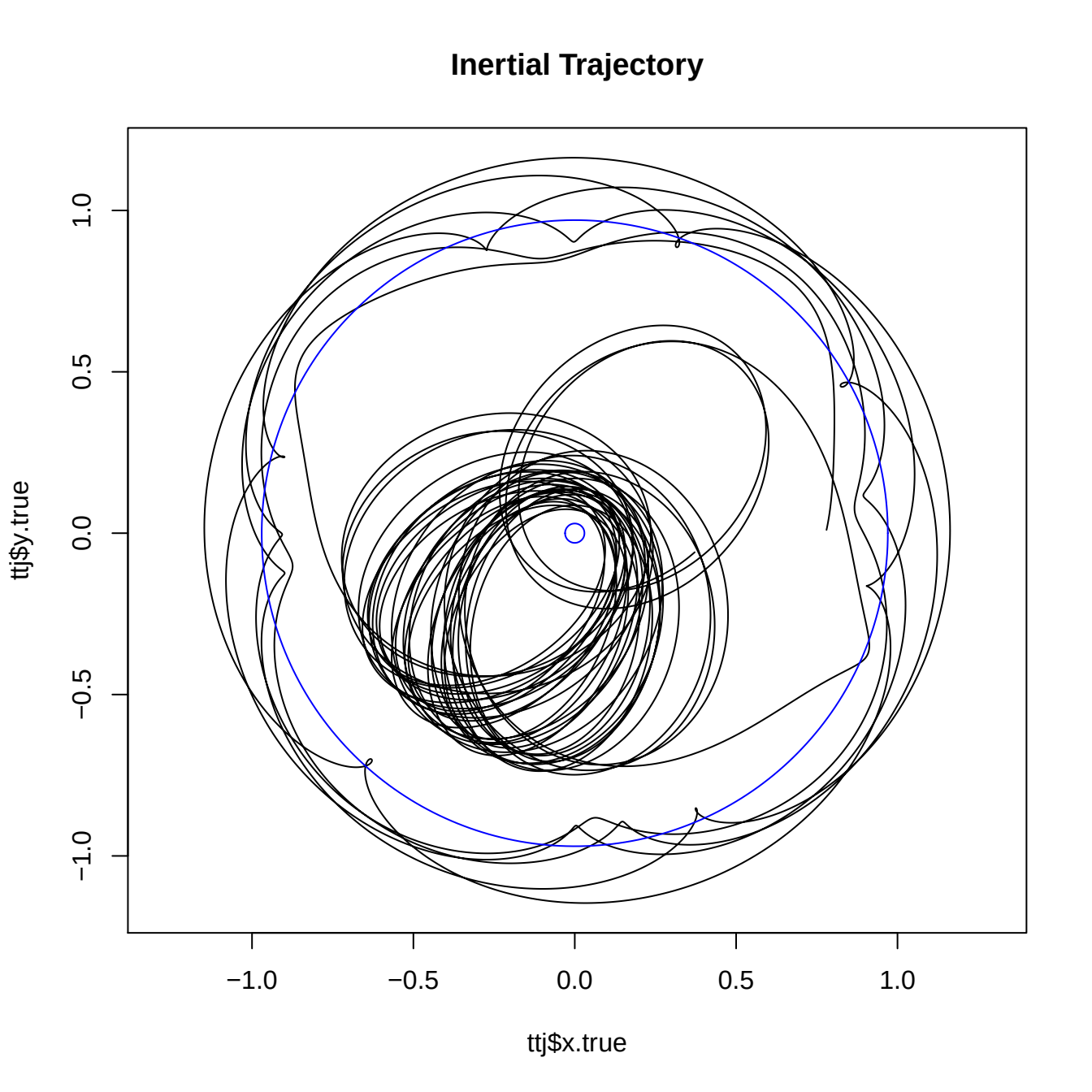

Kinetic Energy (synodic)
KE/m
0
2
4
6
8
0
20
40
60
80
100


density.default(x = KE)
Density
0
1
2
3
4
5
0
2
4
6
8


energy error (%)
1e−04
−1e−04


traj$X3
0.4
0.2
0.0
−0.2
−0.4
−0.5
0.0
0.5
1.0

traj$X3
0.3
0.2
0.1
−0.1
−0.3


Inertial Trajectory
ttj$y.true
ttj$x.true
1.0
0.5
0.0
−0.5
−1.0
−1.0
−0.5
0.0
0.5
1.0

yini= [1] 0.78 0.01 0.00 0.15 −0.13 0.00
mu.2= 0.03
G= 1
M1= 0.97
M2= 0.03
R1= −0.03
R2= 0.97
dateStr= interestingOrbits/archive/Fri_Nov_25_23:07:14_2016.RDa