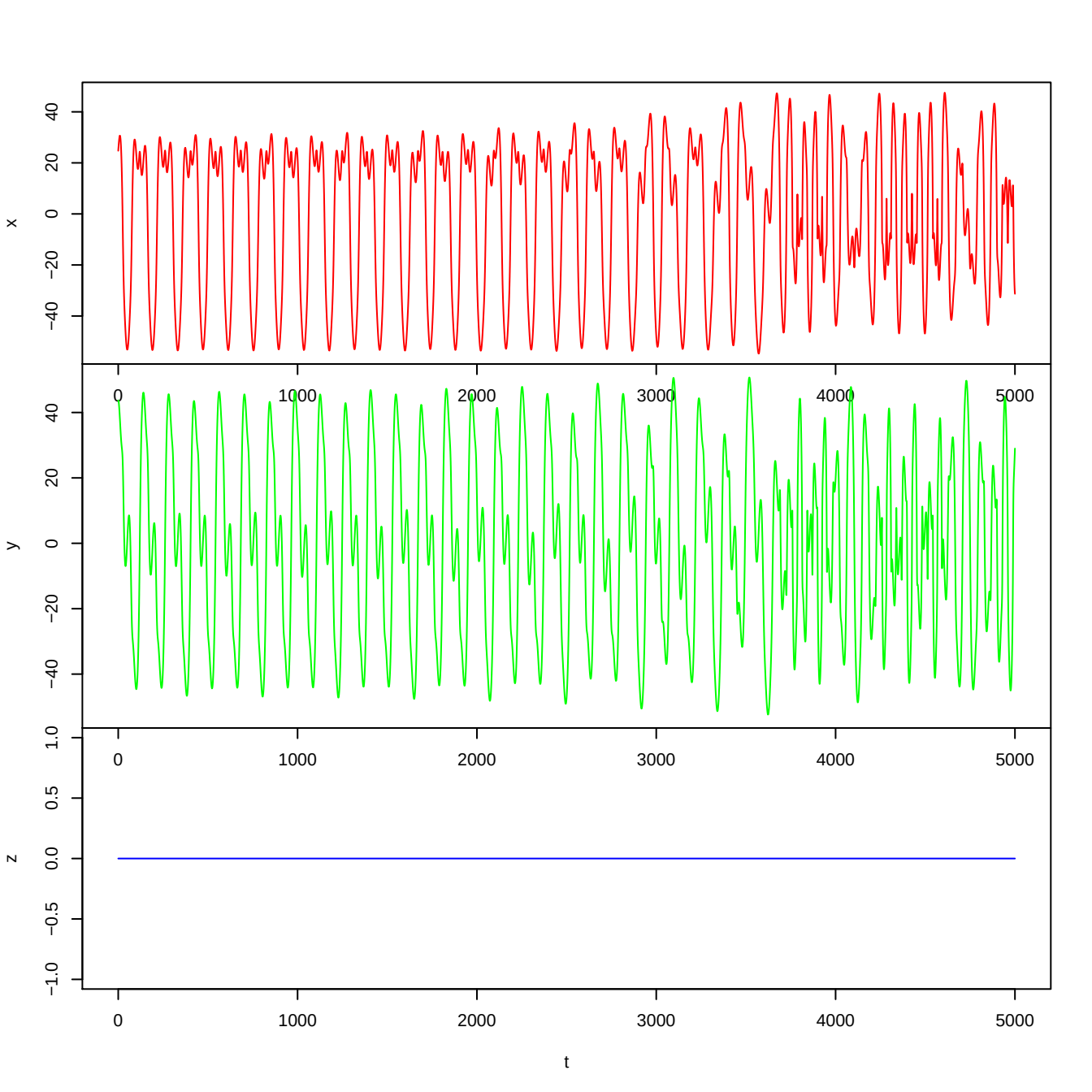
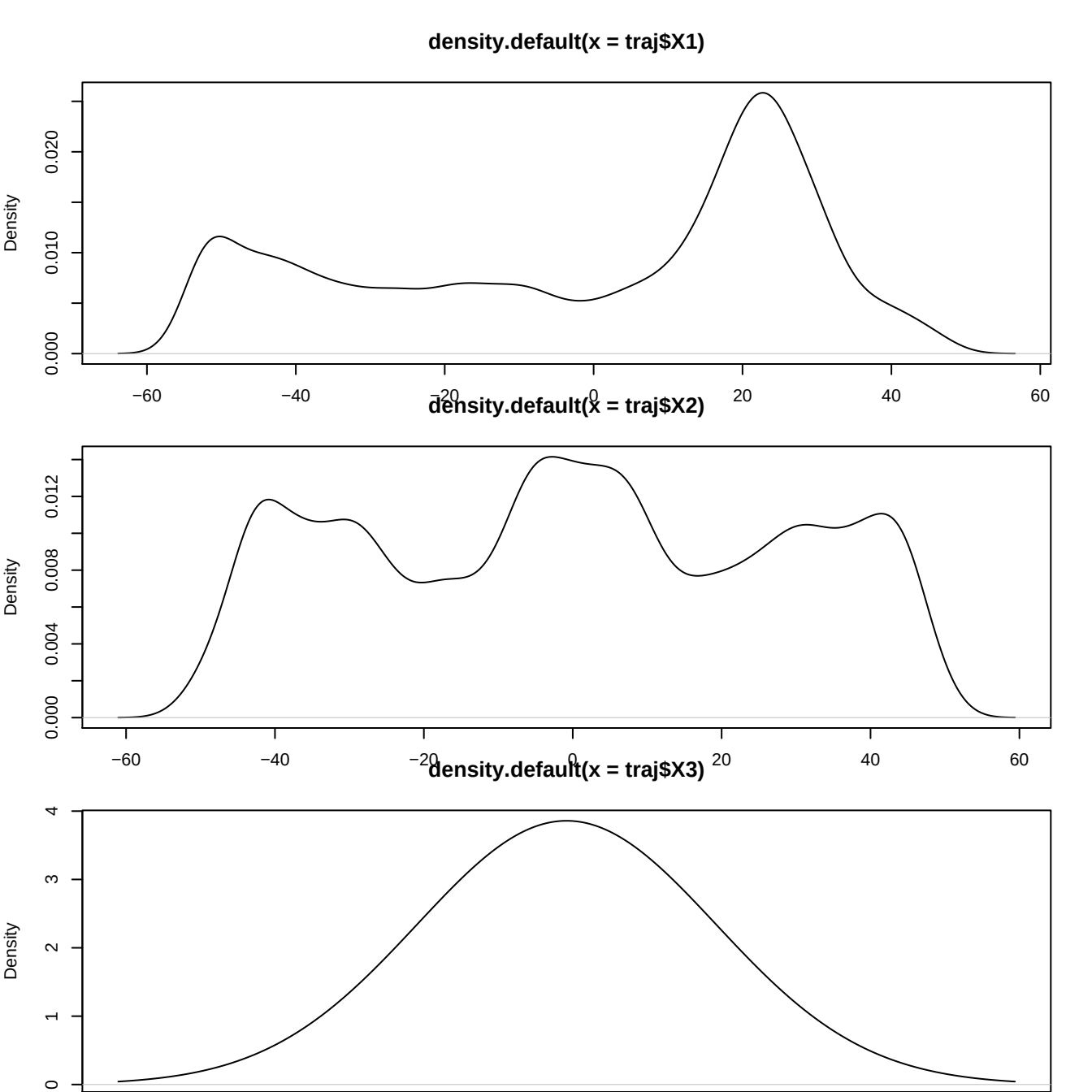
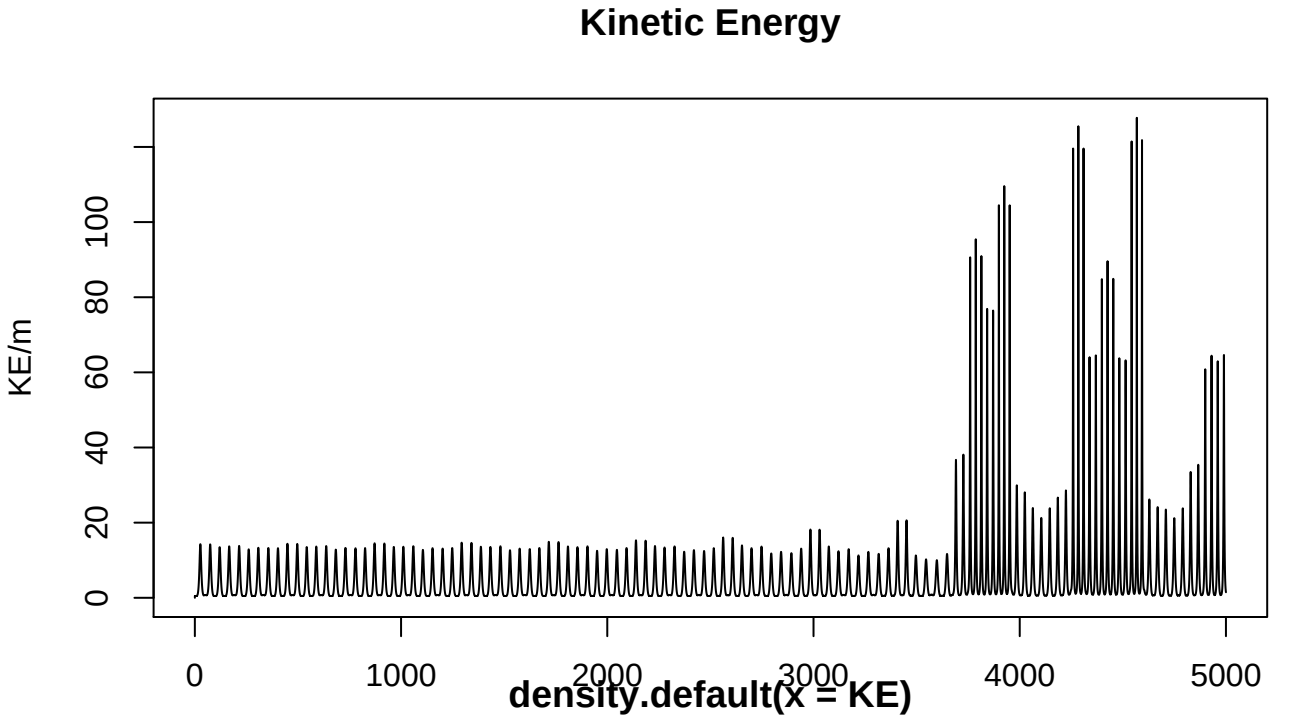
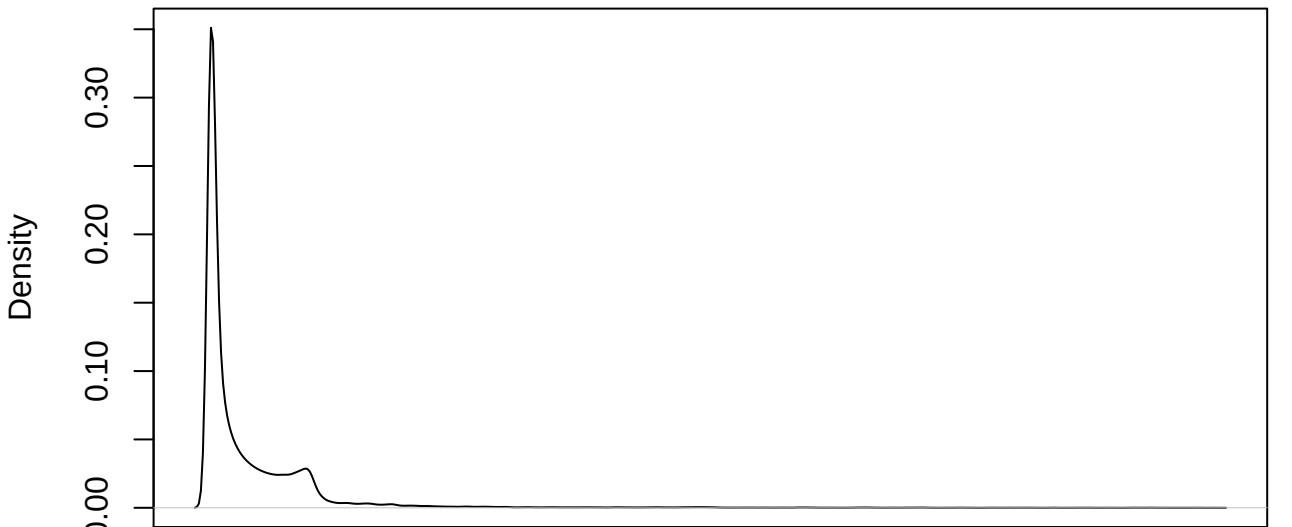
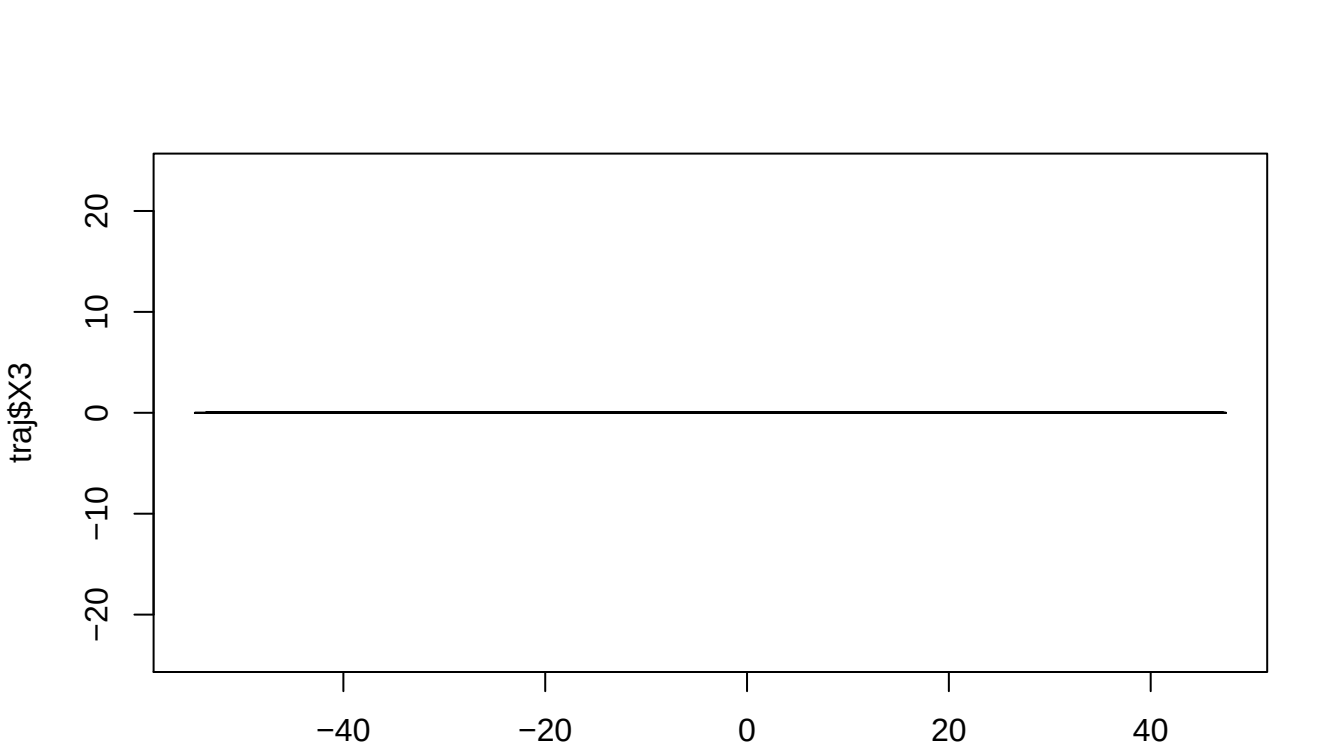
L4
M2
5
HI
MID
LO
U(r)


x
y
z
t
40
20
0
−20
−40
1.0
0.5
0.0
−0.5
−1.0
0
1000
2000
3000
4000
5000

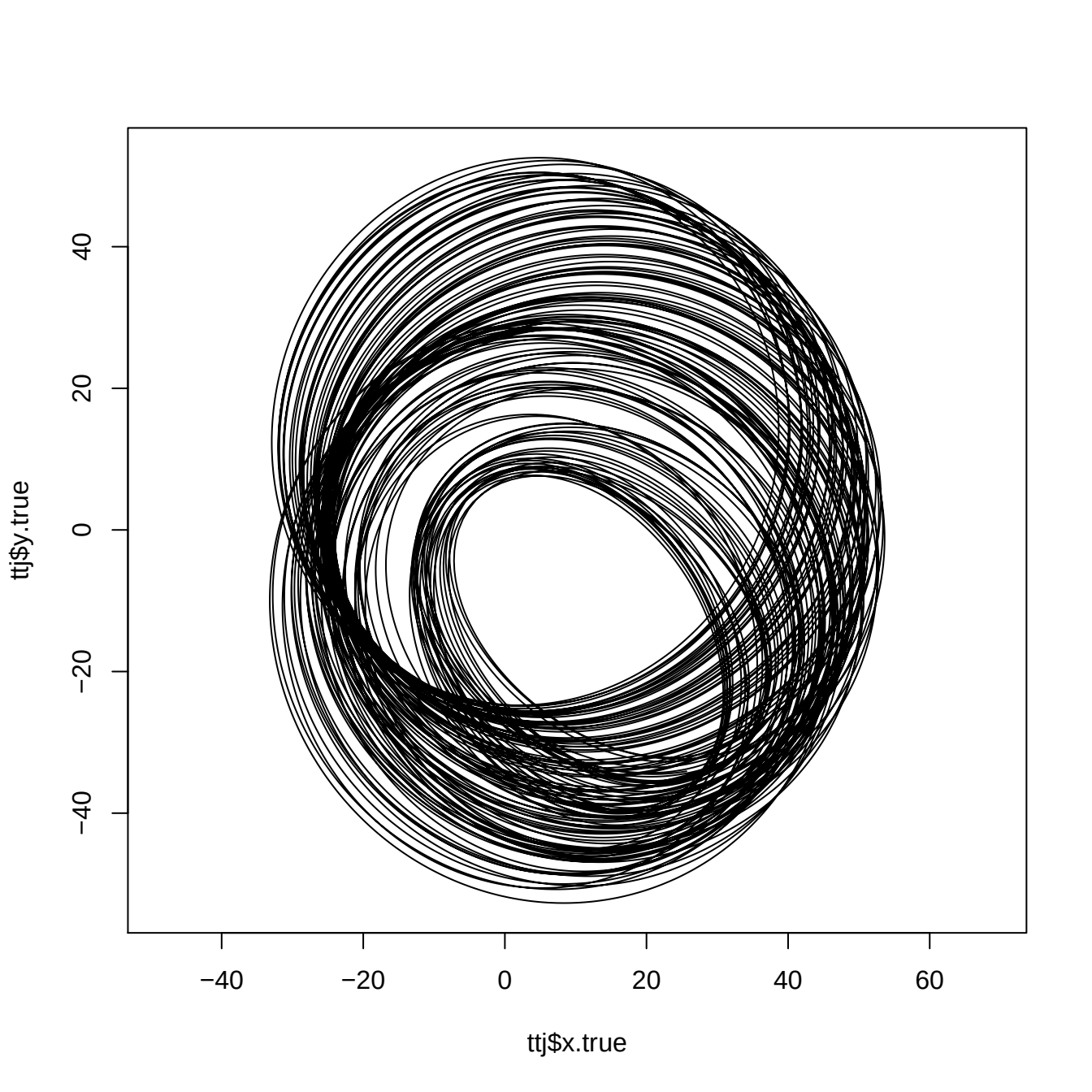

density.default(x = traj$X1)
Density
0.000
0.010
0.020
−60
−40
−20
0
20
40
60
density.default(x = traj$X2)
Density
0.000
0.004
0.008
0.012
−60
−40
−20
0
20
40
60
density.default(x = traj$X3)
Density
0
1
2
3
4


Kinetic Energy
KE/m
0
20
40
60
80
100
0
1000
2000
3000
4000
5000


density.default(x = KE)
Density
0.00
0.10
0.20
0.30


traj$X3
20
10
0
−10
−20
−40
−20
0
20
40

traj$X3
20
10
0
−10
−20


ttj$y.true
40
20
0
−20
−40
−40
−20
0
20
40
60
ttj$x.true

yini= [1] 24.75 43.73 0.00 0.97 0.00 0.00
M1= 100
M2= 1
G= 10
R1= −0.5
dateStr= Fri_Nov_25_01:23:31_2016