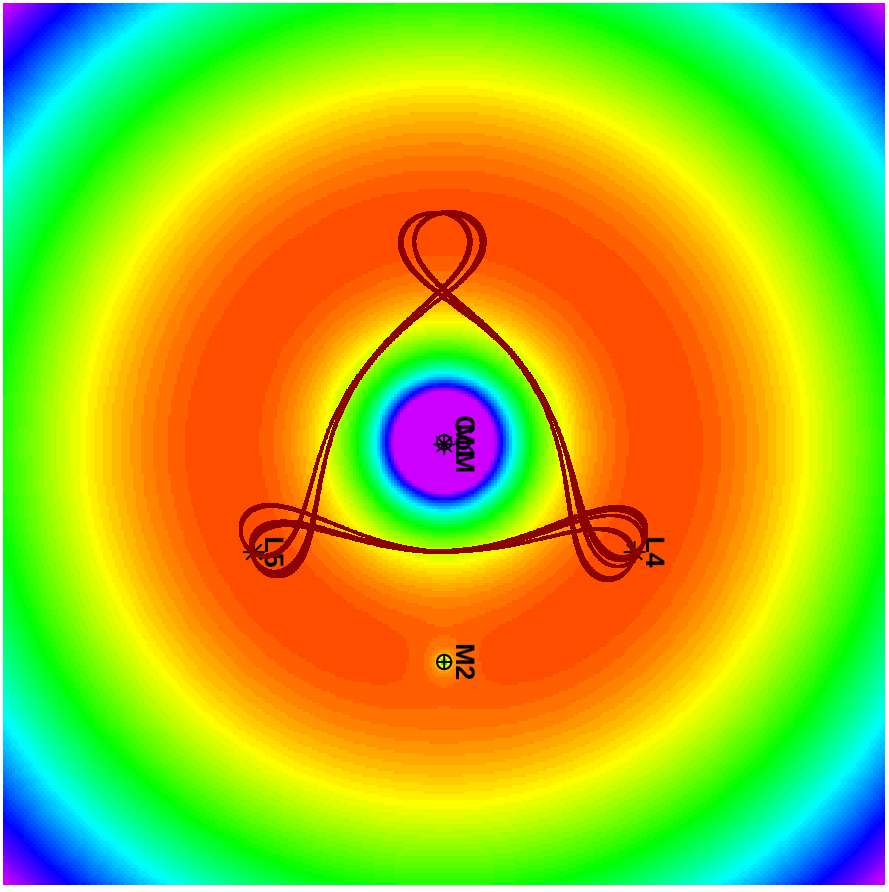
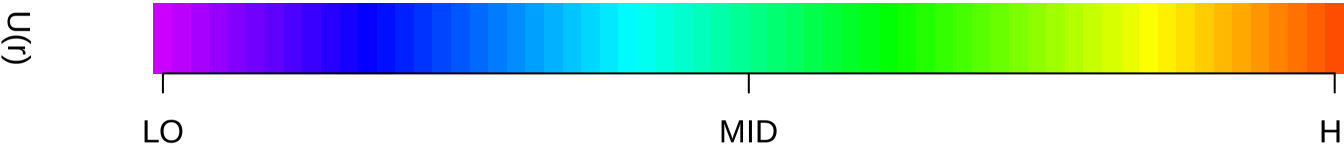
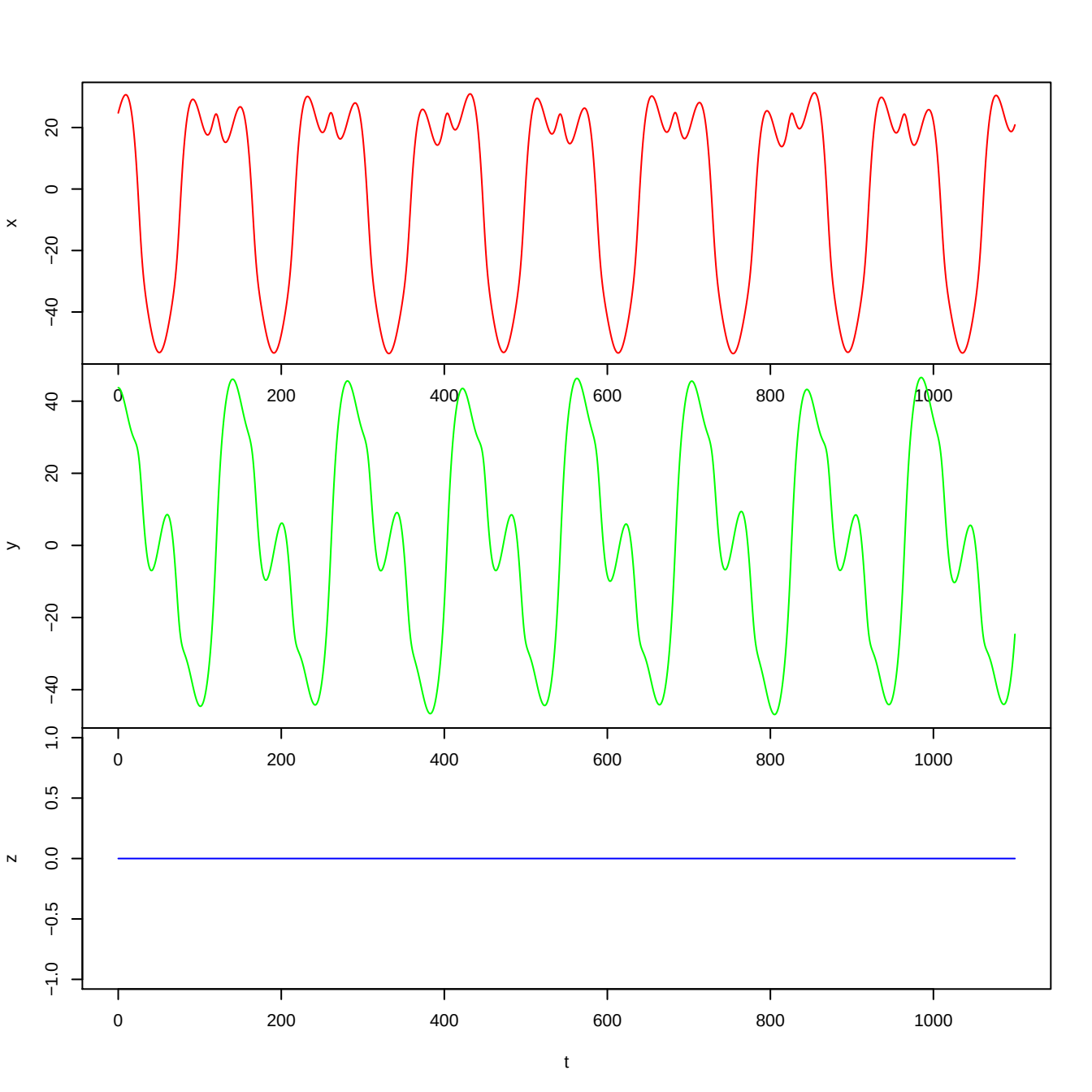
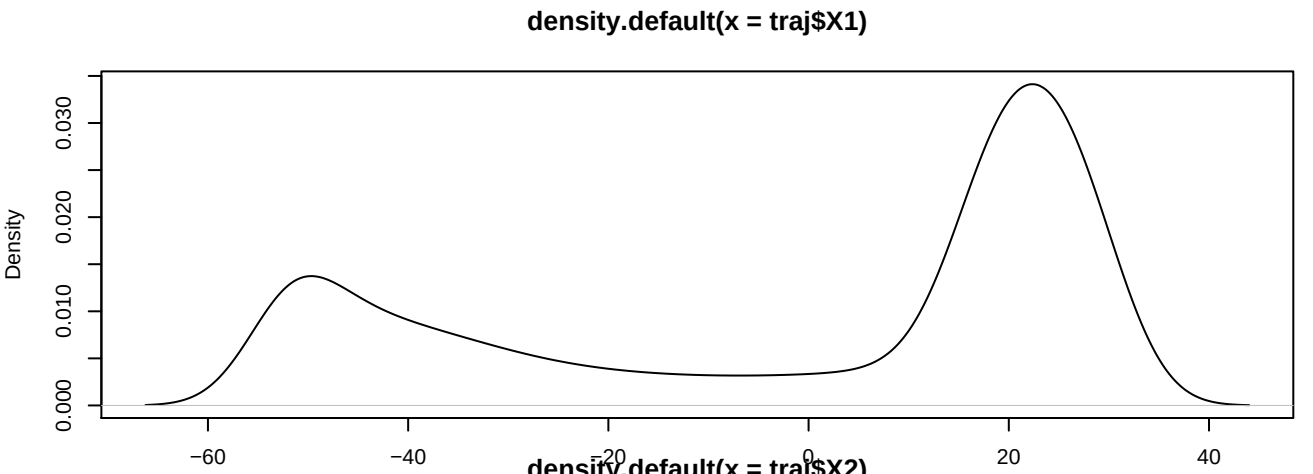
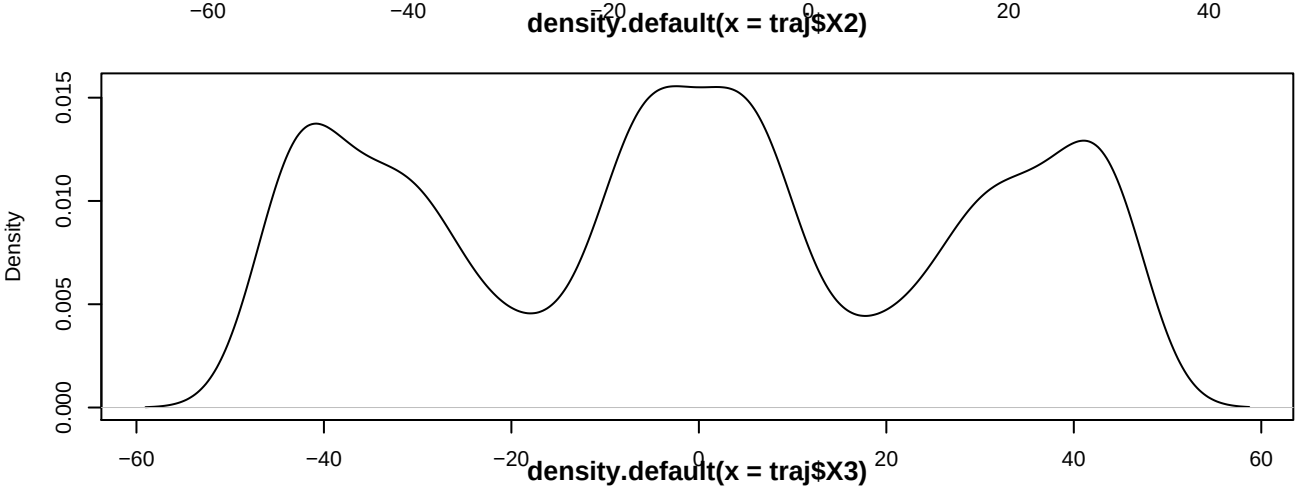
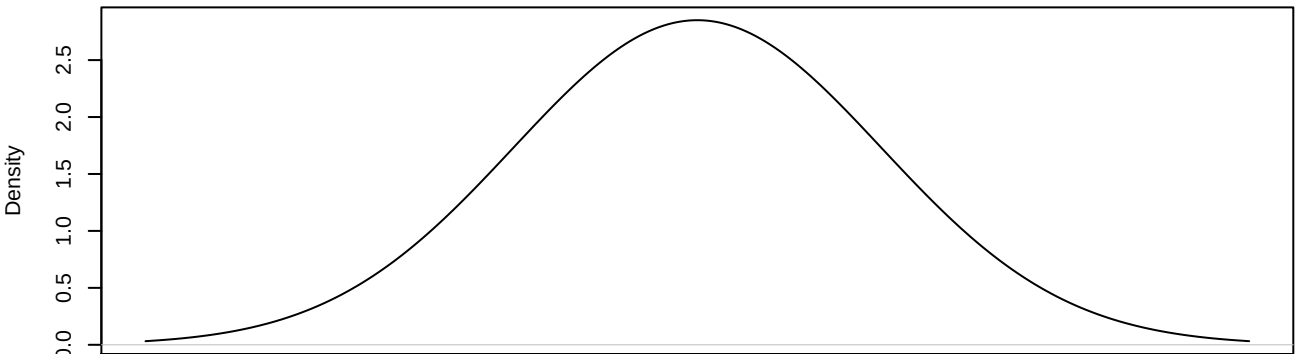

M1
M2
L4
L5

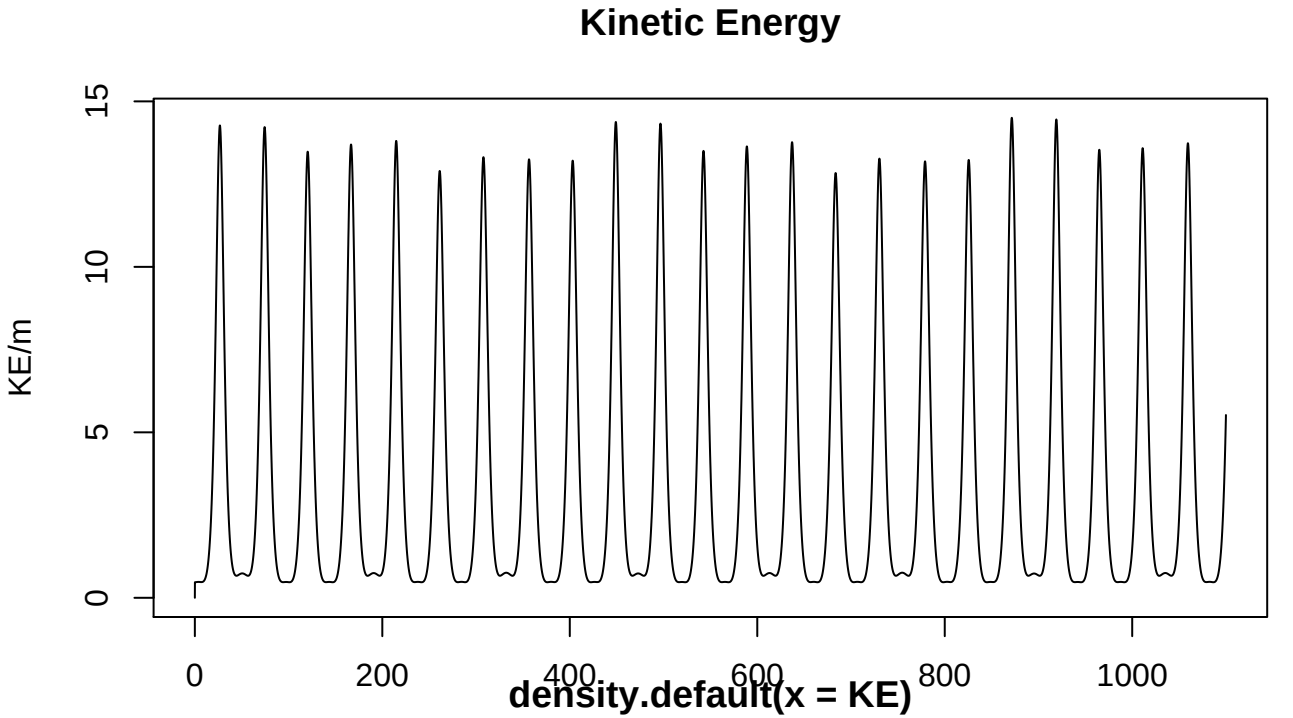

U(r)
LO
MID
H

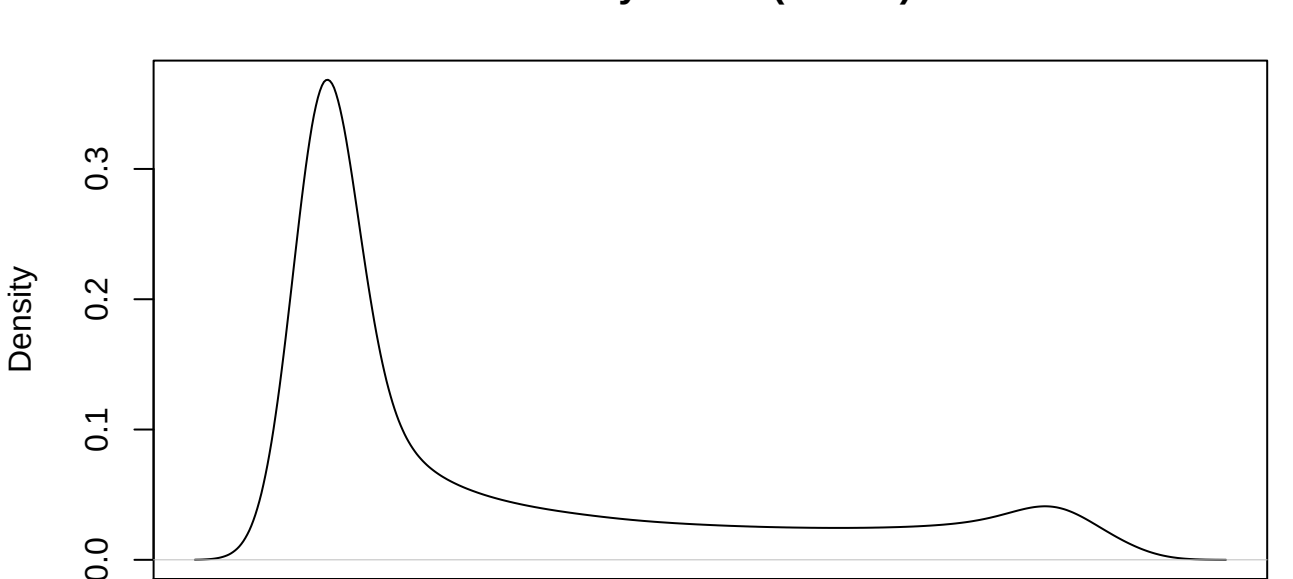

x
20
0
−20
−40
y
40
20
0
−20
−40
z
1.0
0.5
0.0
−0.5
−1.0
0
200
400
600
800
1000
t

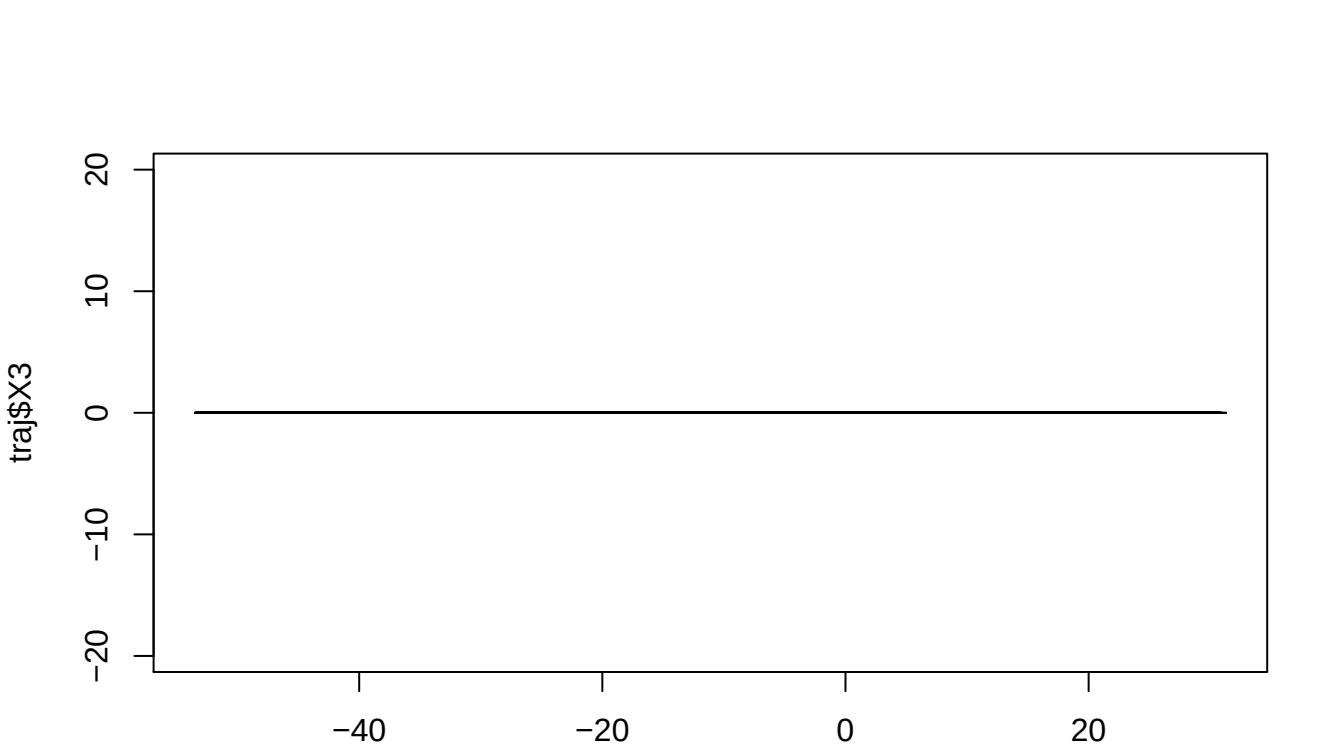

density.default(x = traj$X1)
Density
0.000
0.010
0.020
0.030
−60
−40
−20
0
20
40


density.default(x = traj$X2)
Density
0.000
0.005
0.010
0.015
−60
−40
−20
0
20
40
60


density.default(x = traj$X3)
Density
0.0
0.5
1.0
1.5
2.0
2.5


Kinetic Energy
KE/m
0
5
10
15
0
200
400
600
800
1000


density.default(x = KE)
Density
0.0
0.1
0.2
0.3


traj$X3
20
10
0
−10
−20
−40
−20
0
20

traj$X3
20
10
0
−10
−20

yini= [1] 24.75 43.73  0.00  0.97  0.00  0.00
M1= 100
M2= 1
G= 10
R1= −0.5