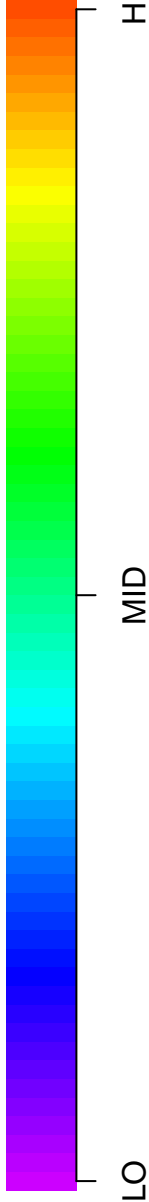
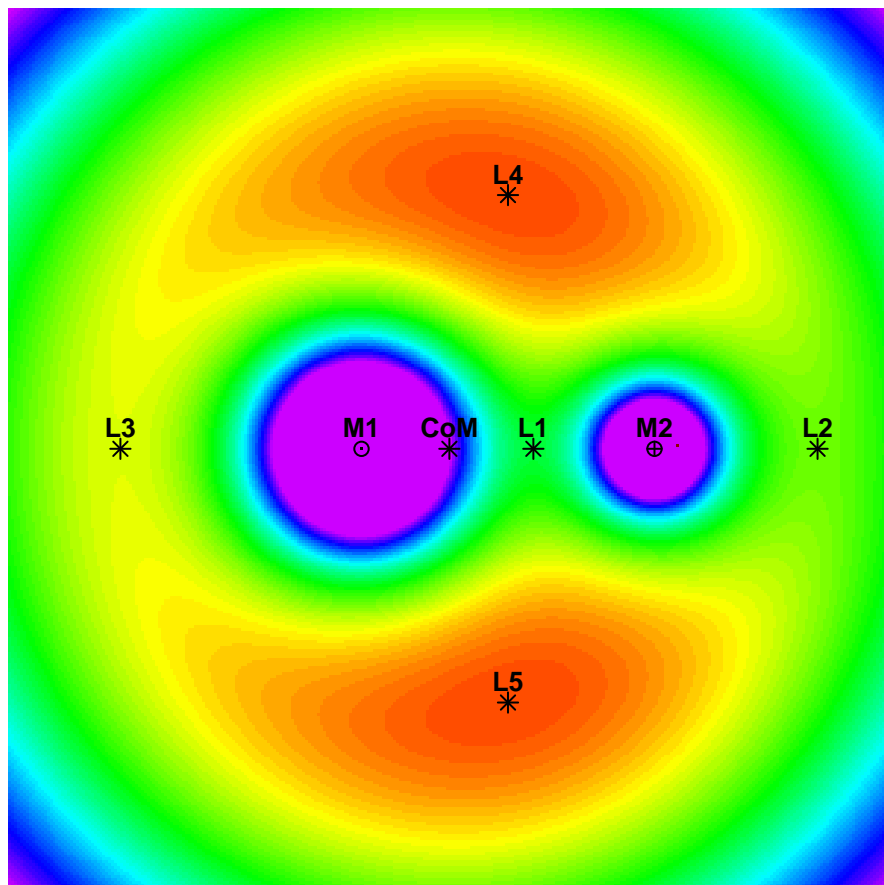
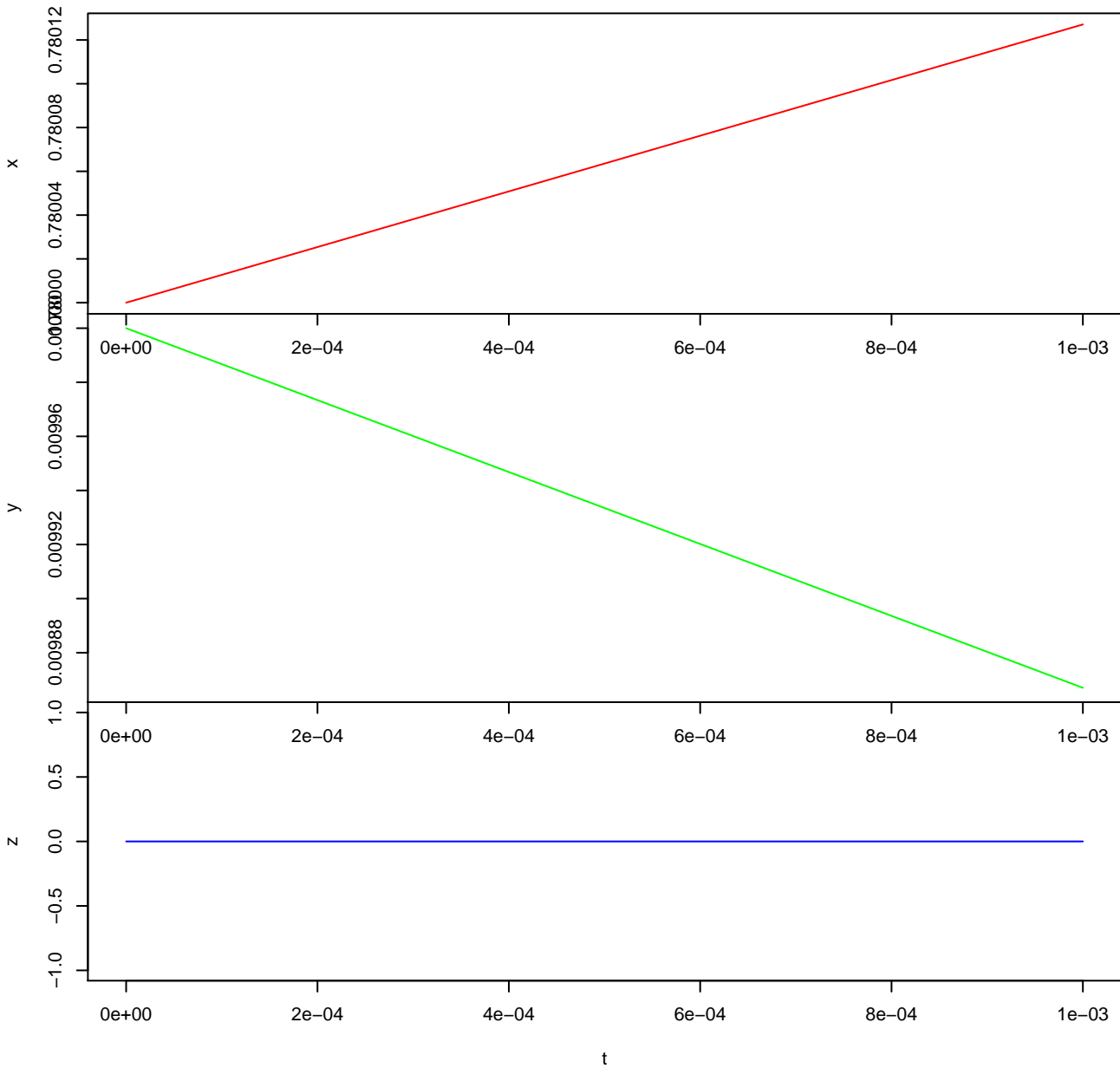


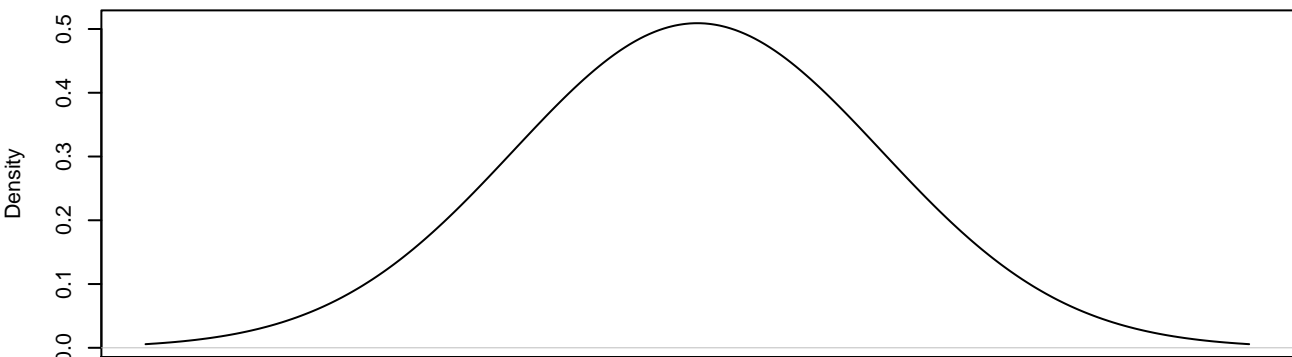
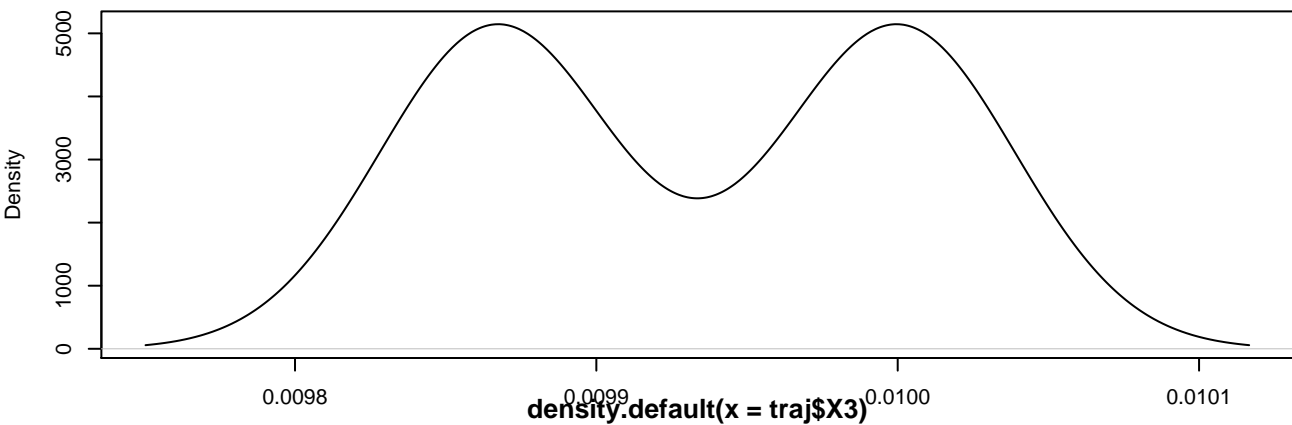
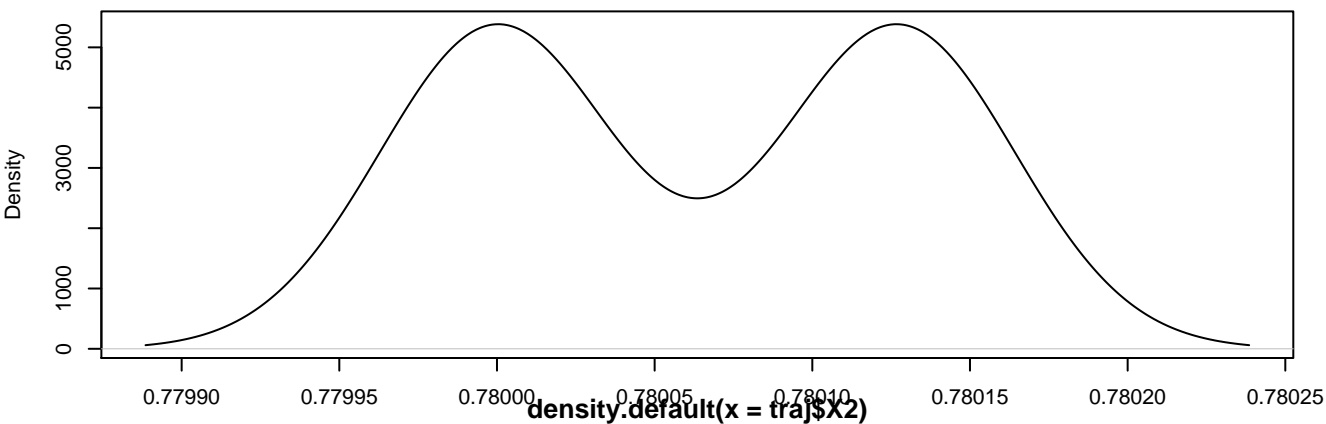
# Synodic Coordinates (rotational reference frame)



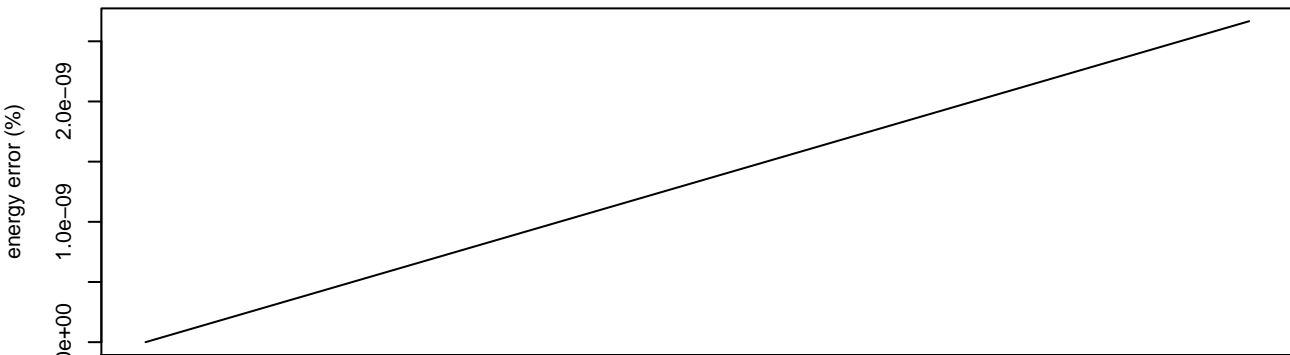
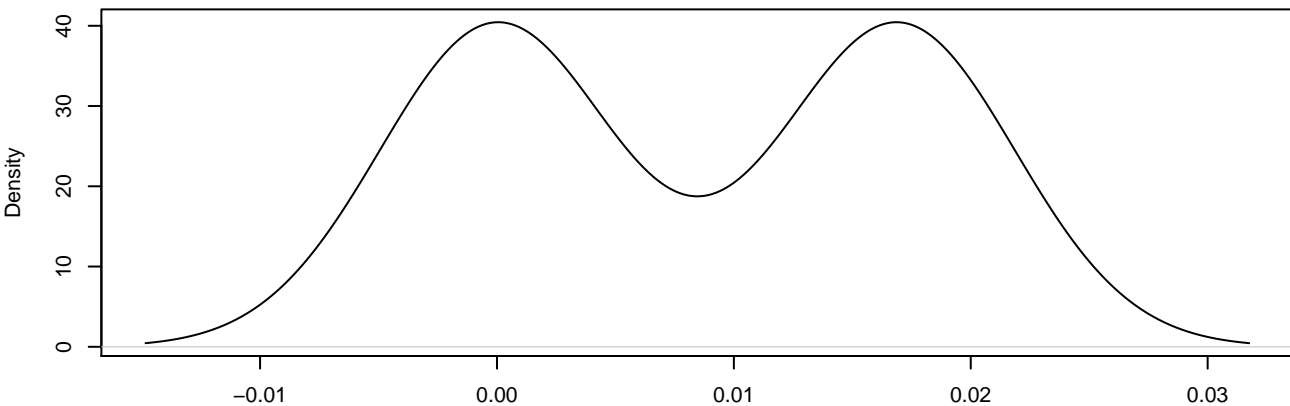
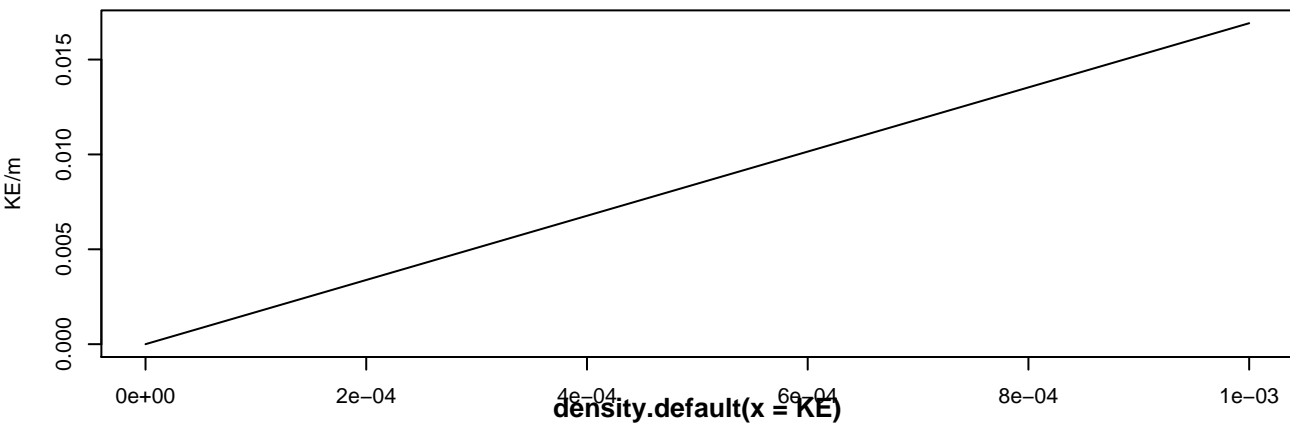
$U(r)$

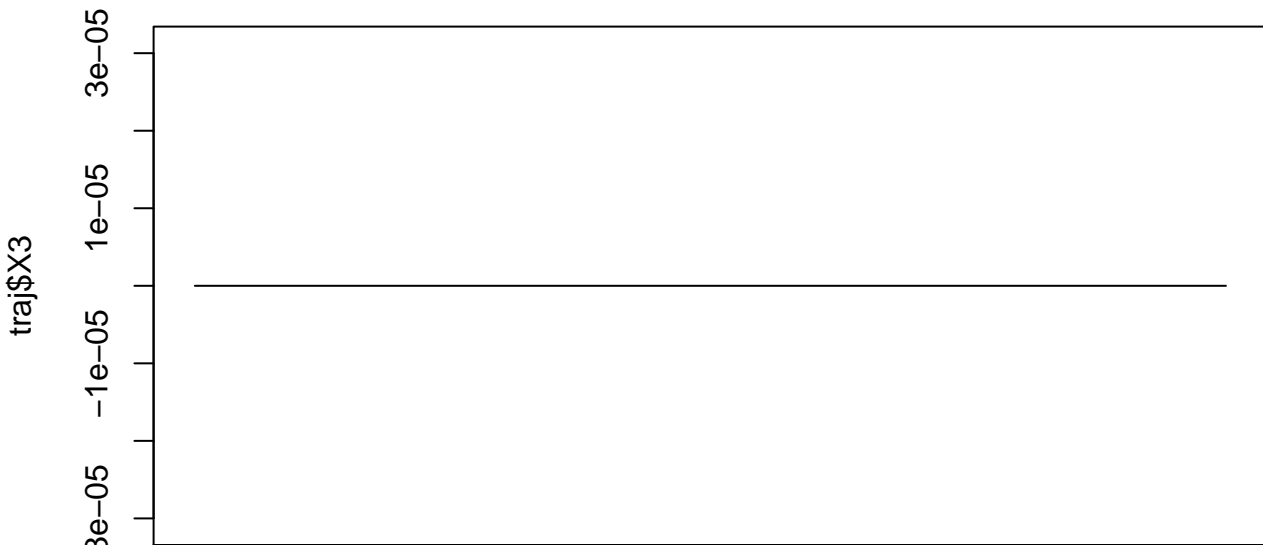
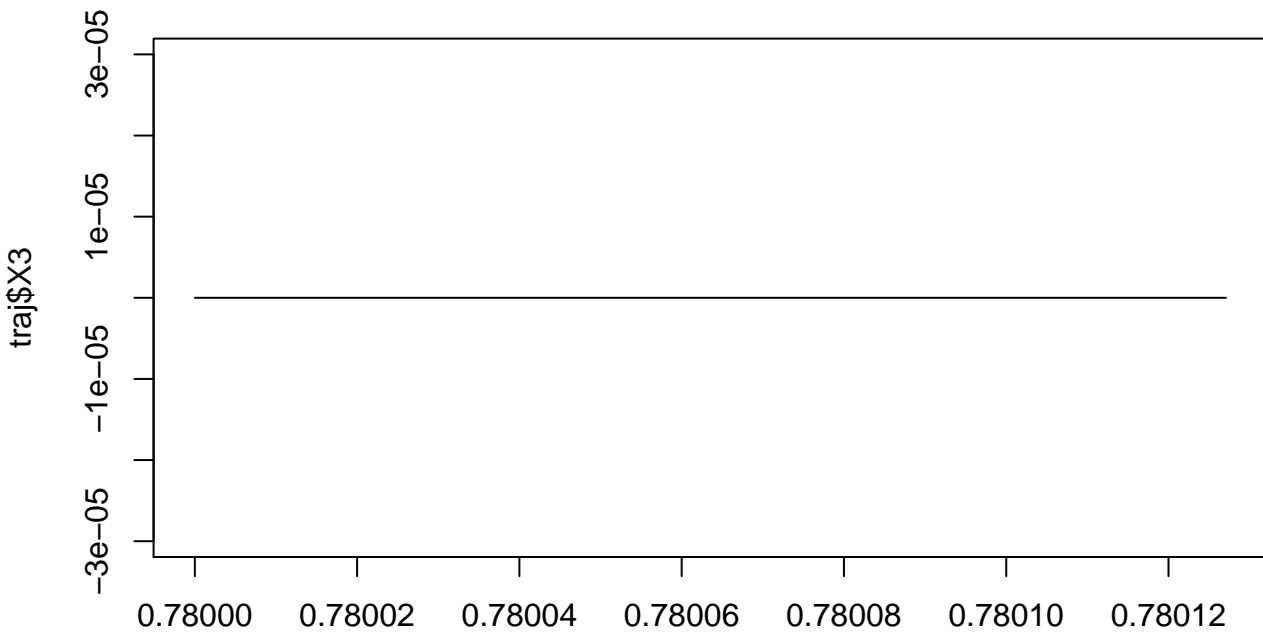


**Position (synodic)**

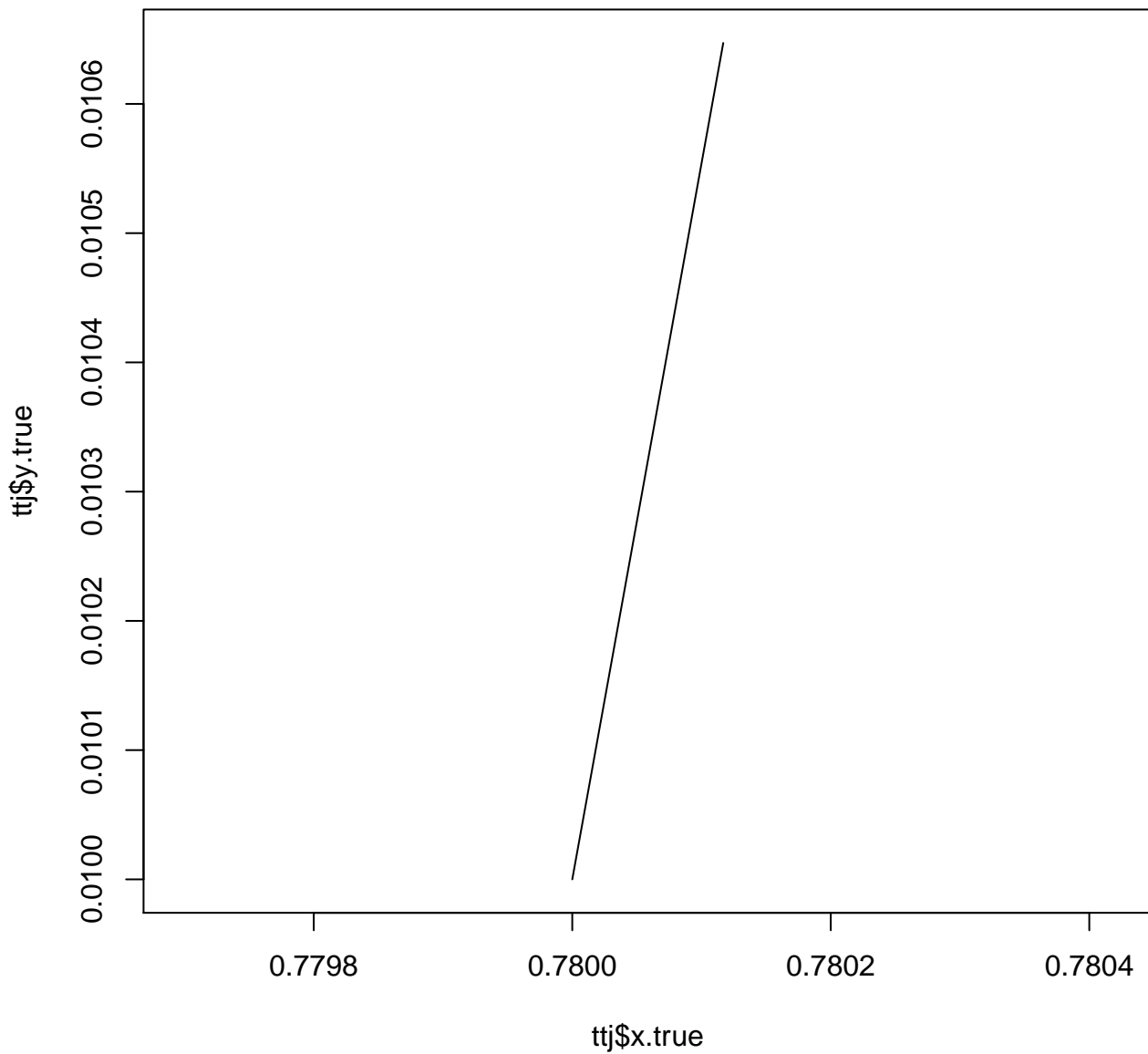


**Kinetic Energy (synodic)**





# Inertial Trajectory



yini= [1] 0.78 0.01 0.00 0.15 -0.13 0.00

mu.2= 0.3

G= 1

M1= 0.7

M2= 0.3

R1= -0.3

R2= 0.7

dateStr= interestingOrbits/archive/Mon\_Nov\_28\_00-53-42\_2016.F