

Leapfrog: Eccentricity = 0.5, T = 50, h = 0.01

Proposed timestep  $h^* = |r_2 - r_1|/|v_2 - v_1|$

10  
8  
6  
4  
2

0

10

20

Time

30

40

50

Distance between masses

4.0  
3.5  
3.0  
2.5  
2.0  
1.5

