Wrapping GSL functions

- 1) The faur GSL Aunction calls have been murged into the more precise call "Hamiltonian". Also, is probably faster.
- 2) This code still compiled and ran, yes the 100p worked. I looped from 2 + 20

OpenMP

- 1) 2 cores on my mac
- 2) The wall time calculation
- 3) numitive gually than real by 1025
 Was the it takes to new provisions

2 threads

1 thread

num_time: 5.72958

num_time: 5.72958

CPU: 7.1025

CPU: 7.1025

Wall: 5.753s

Wall: 5.753s

4) OpenHP is shared memory. Each process has to restort.

Eventually a large. N will rause the computer to

Slow down. This means there to an optimal number of threads one should use

Integrating FODEs

3. We can conclude the 4th order R-K method is also "exact", or at least close enough.

4.
$$e^{-t^2/2} = -ty$$

5. They do not scale linearly







