

Phys416: Example Projects from previous years.

In alphabetical order.

1. 2D fluid flow problems
2. Basic physics educational software package
3. Cellular automata
4. Chaotic behavior of a drippy faucet
5. Charged particle in a dipole magnetic field.
6. Model of a roller coaster
7. Model of sea breezes
8. Model of stellar structures
9. Modeling oxygen concentration on skin
10. N-body solar system model, with and without collisions
11. Physics of billiards, bowling and skiing
12. Physics of solitons
13. Physics of tides
14. Solutions to Friedmans equations
15. Wave particle interactions in plasmas.