

# Programming Techniques for Scientific Simulations

## Exercise 7

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### Problem 7.1 Penna Model Implementation

Attached with this exercise are two sample classes *Penna::Genome* and *Penna::Animal* found in *genome.hpp* and *animal.hpp*. Either by using these sample classes or your own classes, please

1. implement all the functions mentioned in the (your) class headers,
2. write a test program for the (your) classes.
3. (optional) write a makefile to compile them, eg. *make test* to compile the test programs.