

Multiple inheritance

1. (10p) Multiple inheritance, composition, and the diamond problem.
The file **assignment-multiple-inheritance.cpp** contains custom classes `MobileParticle`, `Attractor`, `Repulsor`, `InteractiveParticle`, and `DynamicSystem`. Specify their inheritance relationships so that the code works properly. More detailed instructions are given inside comments at the top of the file. Answer the two questions asked in the comments.