

1. `underworld.systems.AdvectionDiffusion`: advection-diffusion equation



2. `underworld.systems.Stokes`: stokes flow equation

3. `underworld.systems.SteadyStateHeat`:

4. `underworld.systems.TimeIntegration`:  
integrating numerical objects

5. `underworld.systems.SwarmAdvect`: advect a swarm  
through time using the provide velocity field