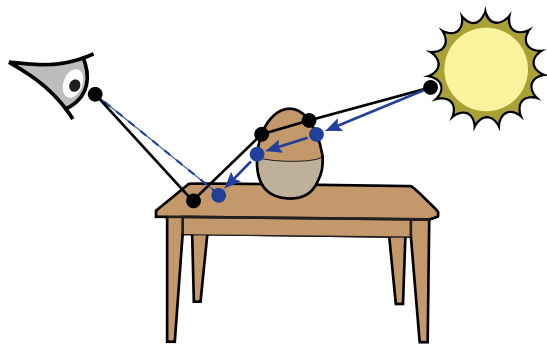
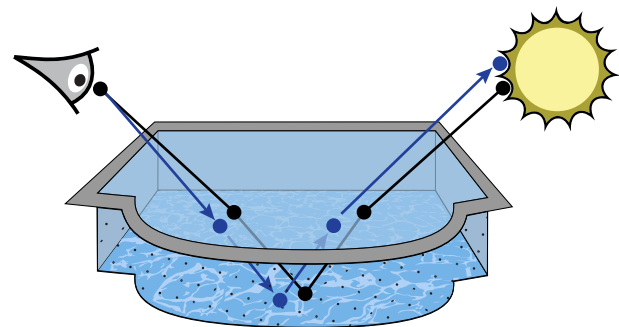


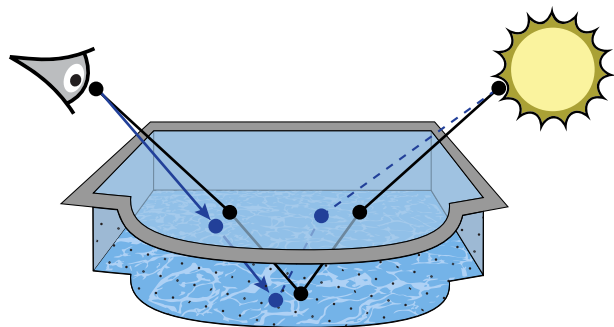
(a) Lens perturbation



(b) Caustic perturbation



(c) Multi-chain perturbation



(d) Manifold perturbation