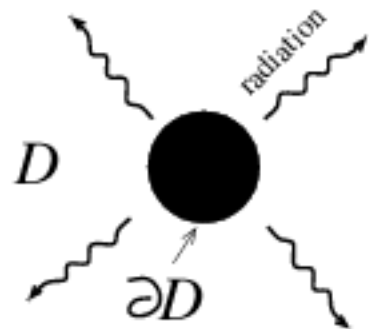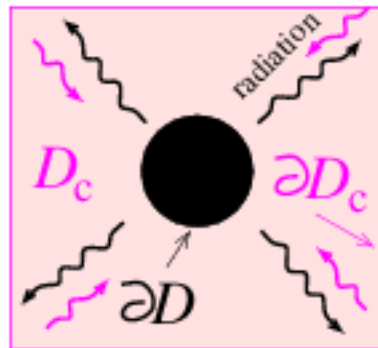Infinite domain
only outgoing waves

Finite computational domain
spurious reflections off
its artificial boundaries

Finite computational domain
with PML which absorbs outgoing
radiation without reflection