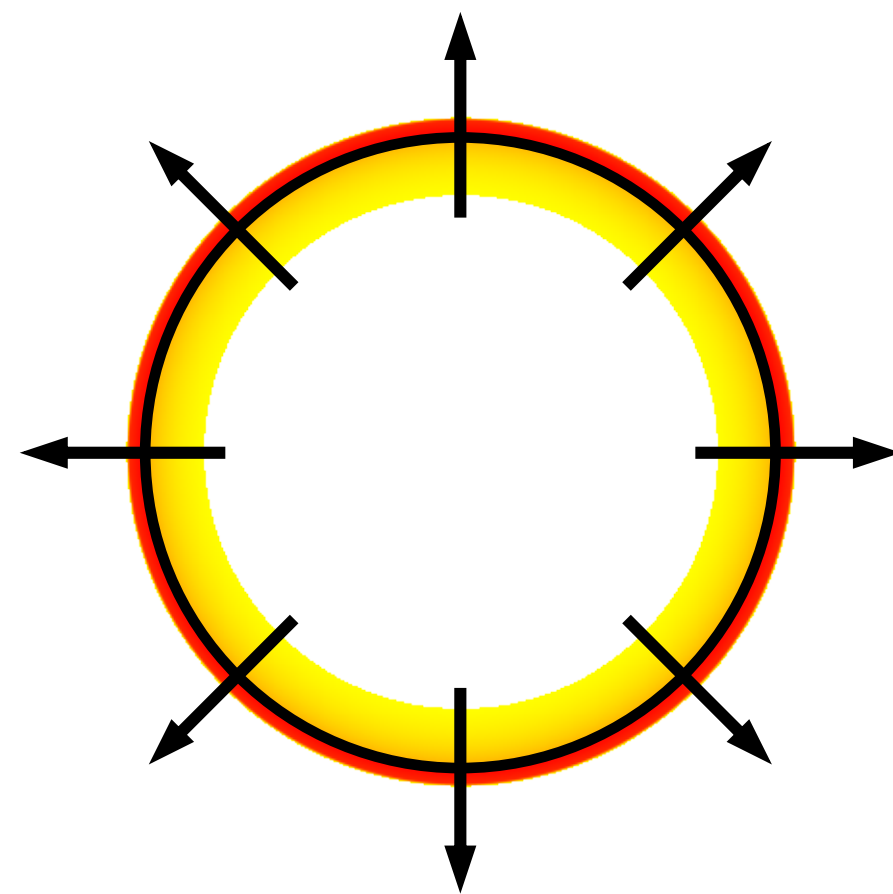
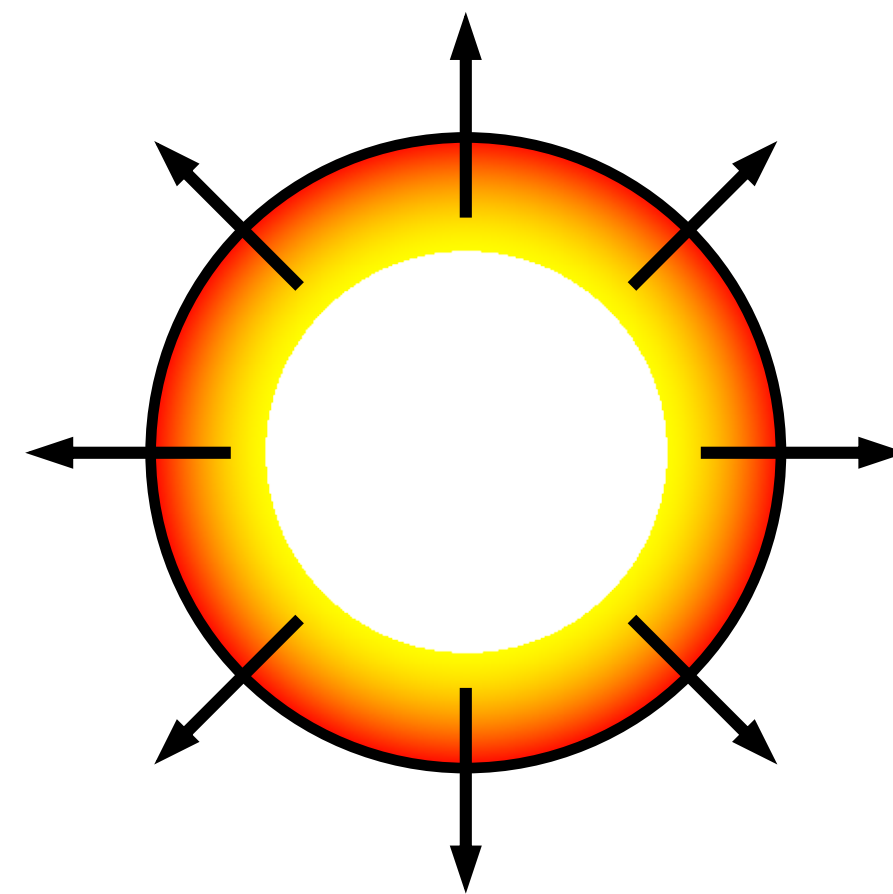


subsonic deflagration
 $v_w \leq c_s$



supersonic deflagration
 $c_s < v_w < c_J$



detonation
 $c_s < c_J \leq v_w$

