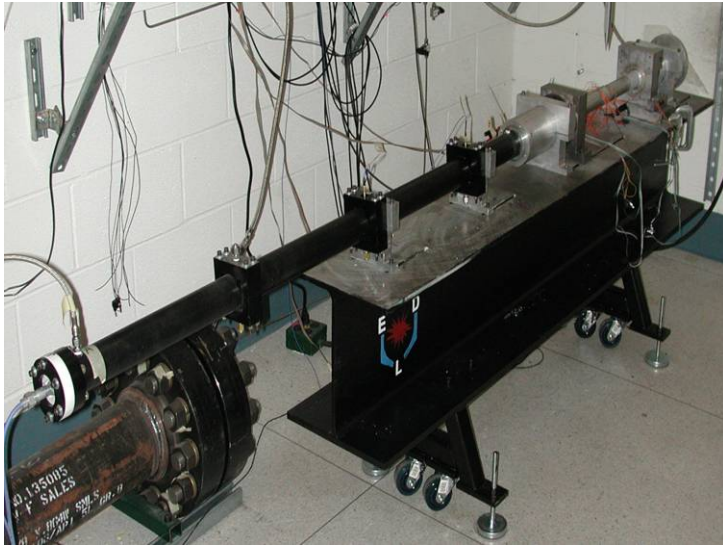
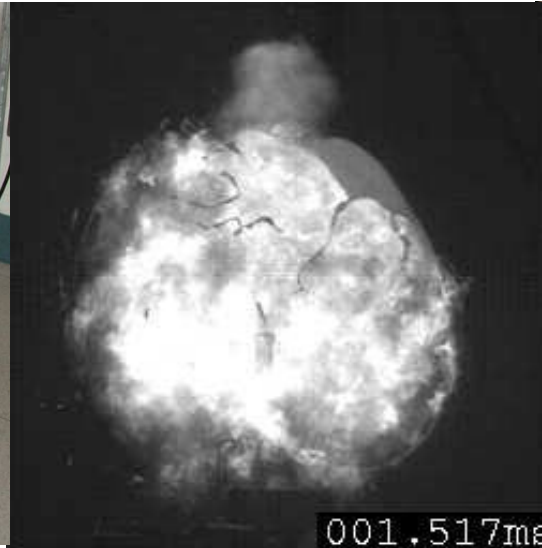


# *Gas Dynamic Fragmentation and Blast Wave Laboratory*

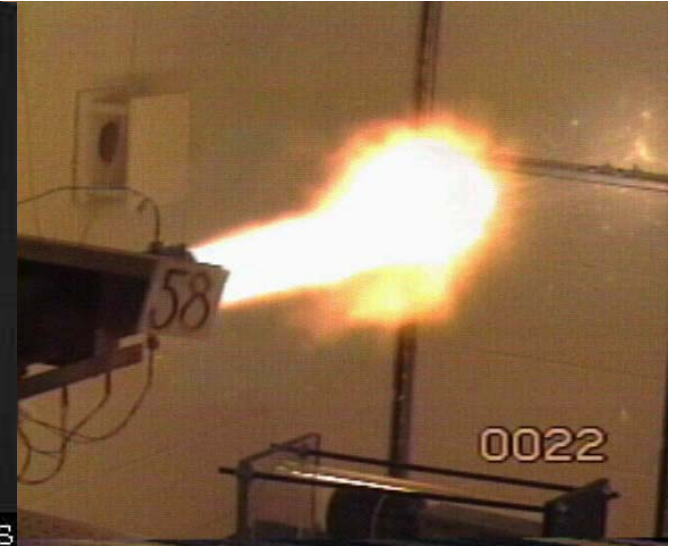
Joe Shepherd



Gas dynamic fracture



Fireball blast study



Ballistic pendulum

- Effect of DDT on measured impulse for pulse detonation engines.
- Effect of obstacle type and spacing on DDT.
- Effect of area changes on pulse detonation engine impulse
- Effect of initiator size and type on pulse detonation engine impulse.
- Dynamic fracture of tubes by detonations
- Production of shock waves by rich fireballs



Explosion Dynamics Laboratory  
California Institute of Technology

