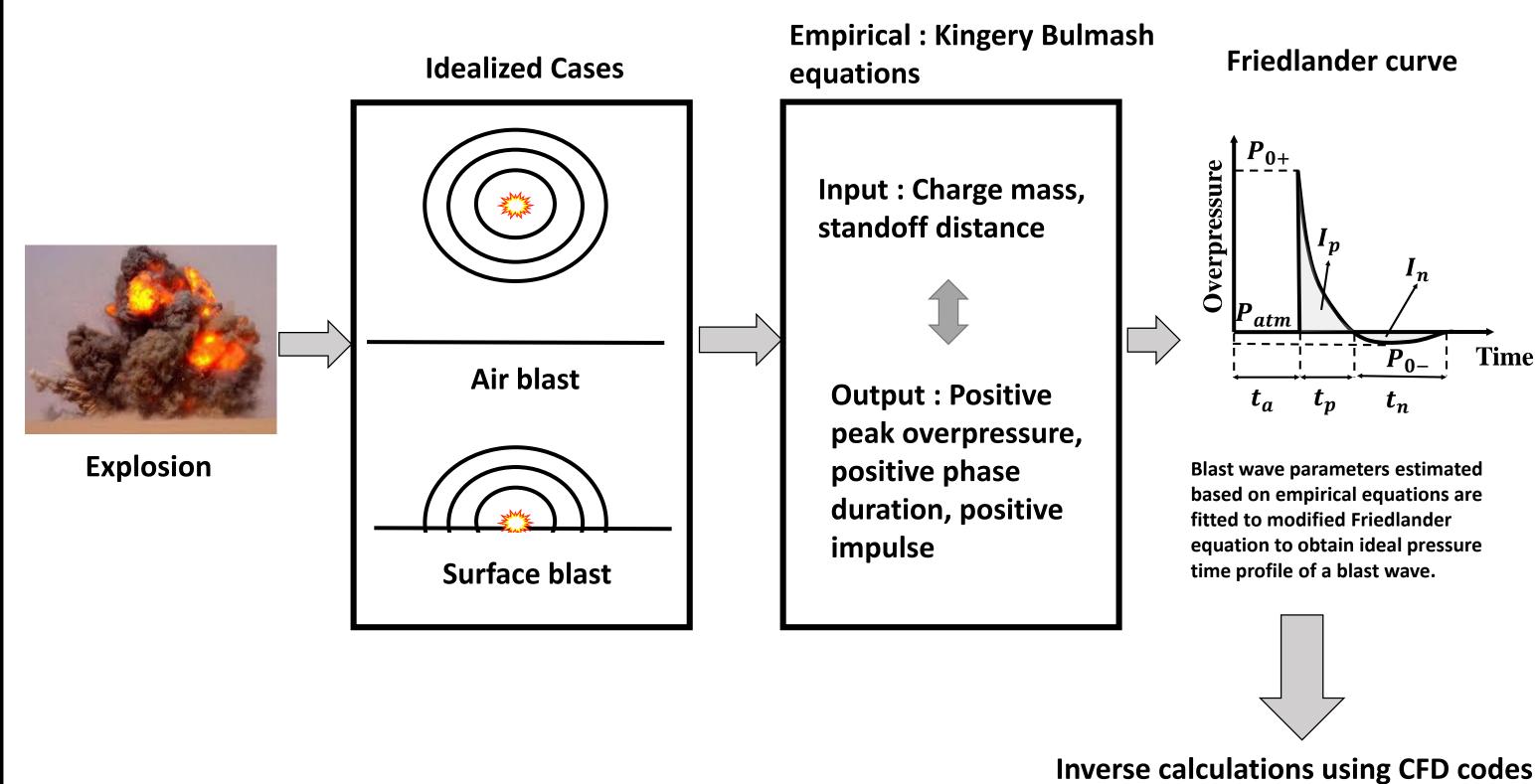
How to generate blast waves in laboratories



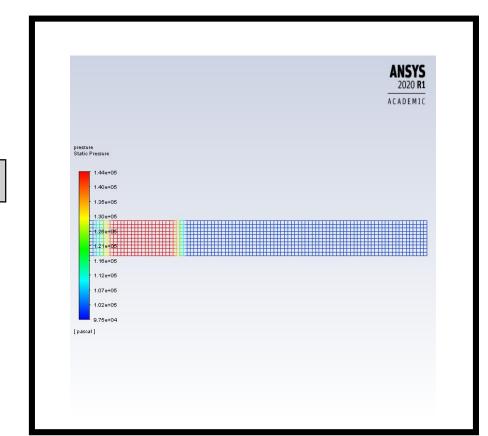








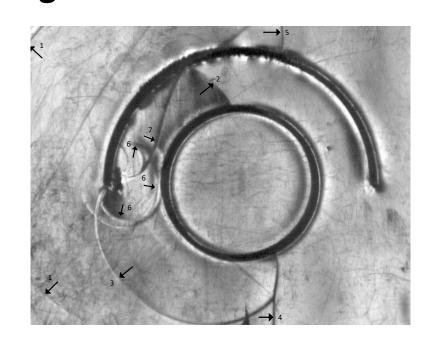
Blast wave simulators @ IIT madras



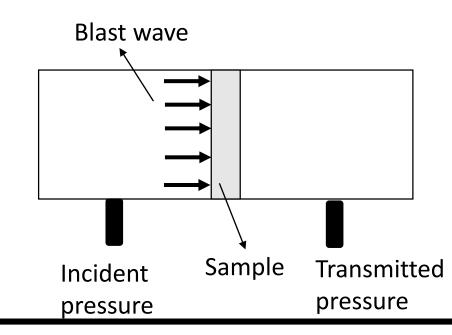
Shock tube dimensions required to produce typical Friedlander type blast wave profiles are calculated using CFD codes

Potential applications

Blast load estimation on structures with complex geometries.



 Behavior of materials such as concrete, mortar, foams and armor materials under blast loading.



Testing of biomechanical samples such as surrogates, post mortems human organs and living animals under blast loading

