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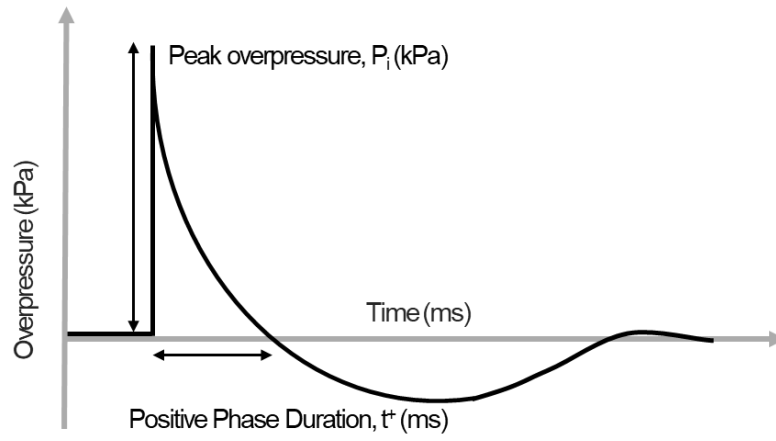
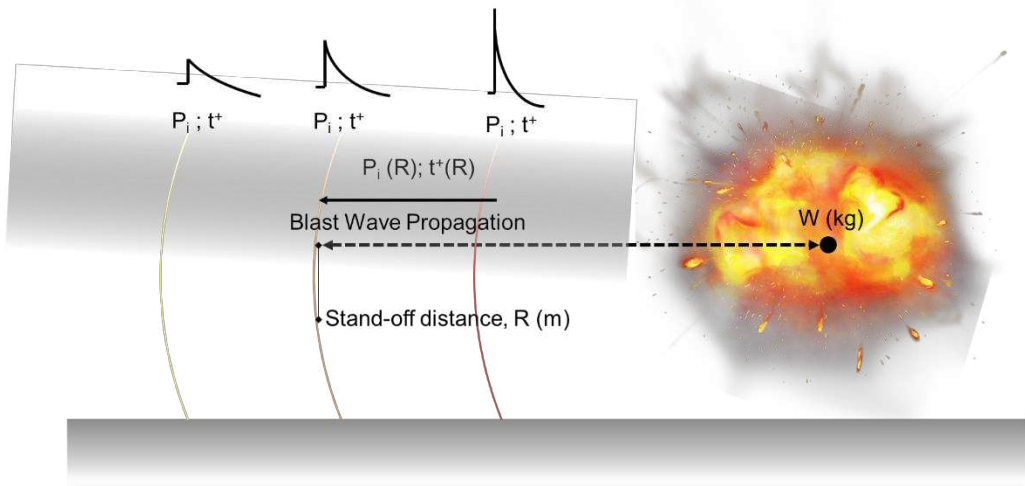
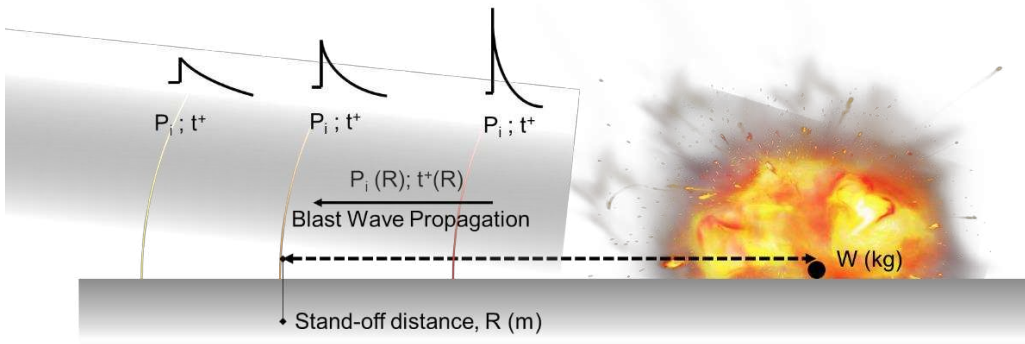


Fig. 1: A pressure-time history of an ideal Friedlander type blast wave.



(a) Above ground, spherical air detonation



(b) Ground surface hemispherical detonation

Fig. 2: Air blast wave parameters depend on detonation location with respect to the ground surface.

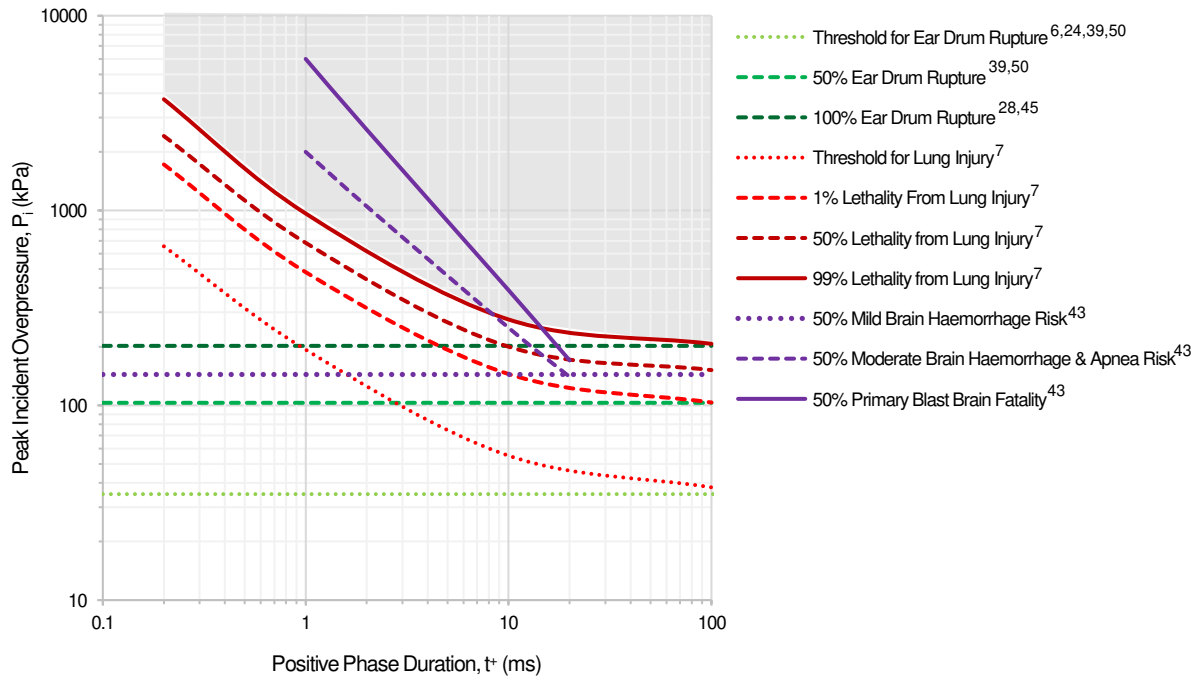


Fig. 3: Combined PBI criteria (see Table 2) to define zones of relevant blast loading conditions.

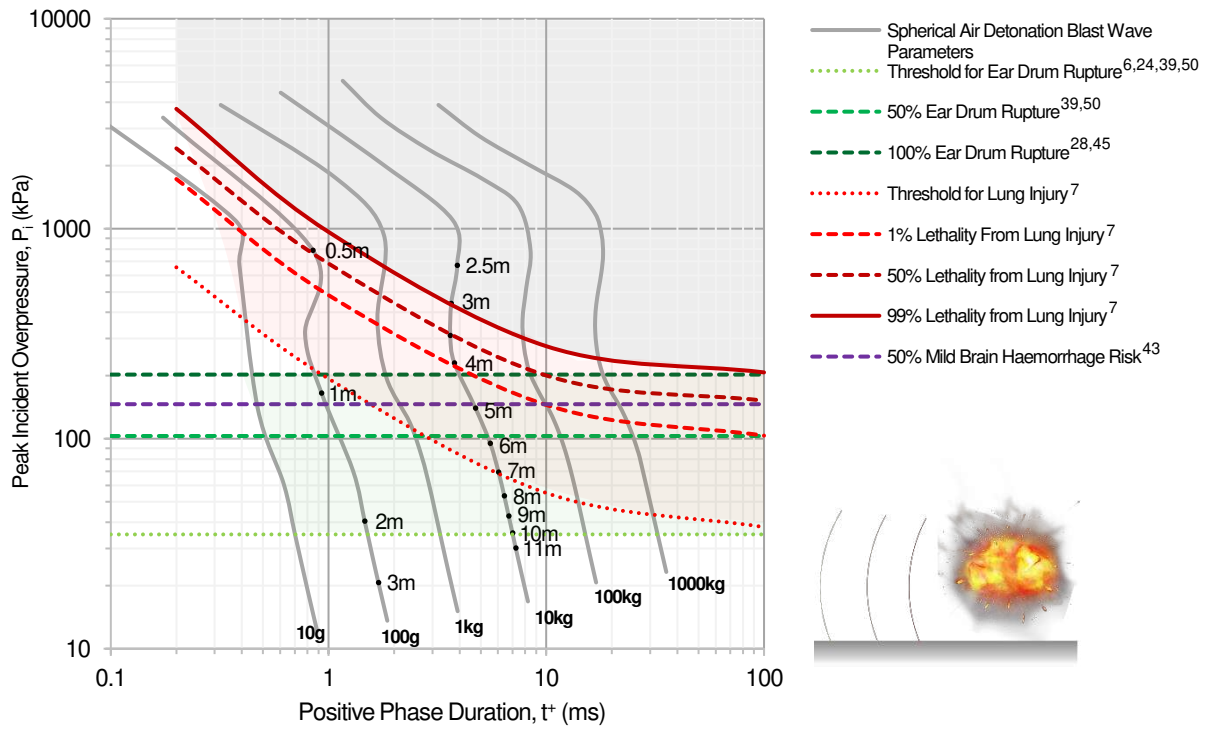


Fig 4: Analysing PBI criteria with respect to blast wave parameters resulting from spherical air detonations at different stand-off distances.