

## **FURTHER INVESTIGATIONS OF BLAST SIMULATION USING THE PETRA HYDROCODE**

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PETRA, a general purpose 2D eularian code, having explosive burn and material strength option has been used to study the development of simulated shock wave (MABS 9). this work has been extended to consider:

1. Fireball phenomena, including comparison with other codes and experimental results.
2. Simulated pressure/time characteristics compared with HE experimental data.
3. Investigation of the pressure at ground Zero from HE charges, and will form the subject matter of this paper.