

## NUMERICAL BLAST SIMULATION

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The application of numerical methods to the problem of interacting unequal shocks in two dimensions is described. Specifically, the calculations were made in conjunction with the nonsimultaneous segment of the Dipole West experimental program conducted in Alberta Canada during the summer of 1975. The four experiments of interest consisted of two-216 pound pentolite charges detonated at heights of 15 and 45 feet above the ground. The detonations were separated in time by 0, 2, 5 and 10 milliseconds, the upper charge being detonated first.