# Hydrodynamic Blast Wave

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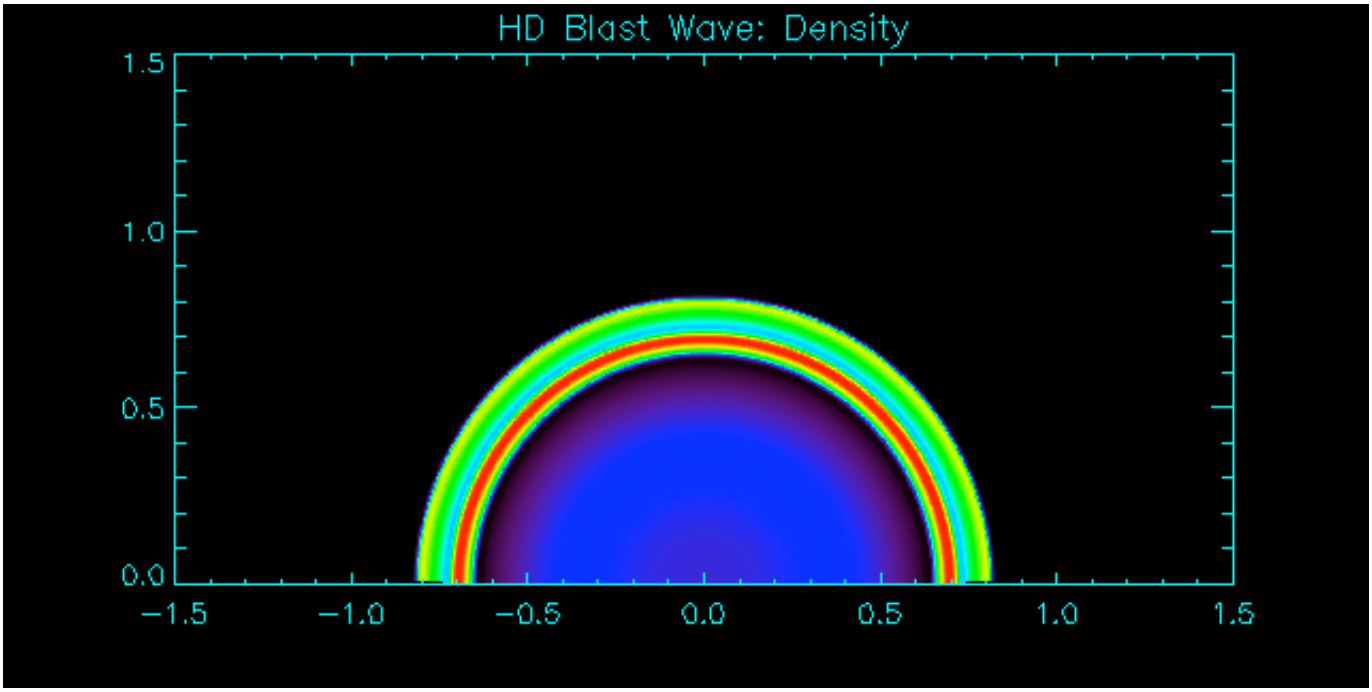
**Description**

A spherical region of initial radius 0.2 cm expands into a medium of much lower density, creating a blast wave. The overdensity factor is 100; the overpressure factor is 1.0e6. An ideal gas is assumed with a gamma of 5/3. The picture below shows the spatial distribution of density at an evolution time of 0.005 seconds.




The subroutine which initializes this problem is available here.

The zmp_inp file used to configure the code is available here.

The assembled HDF data file from which the figure was generated is available here.

The IDL program used to create the image is available here.