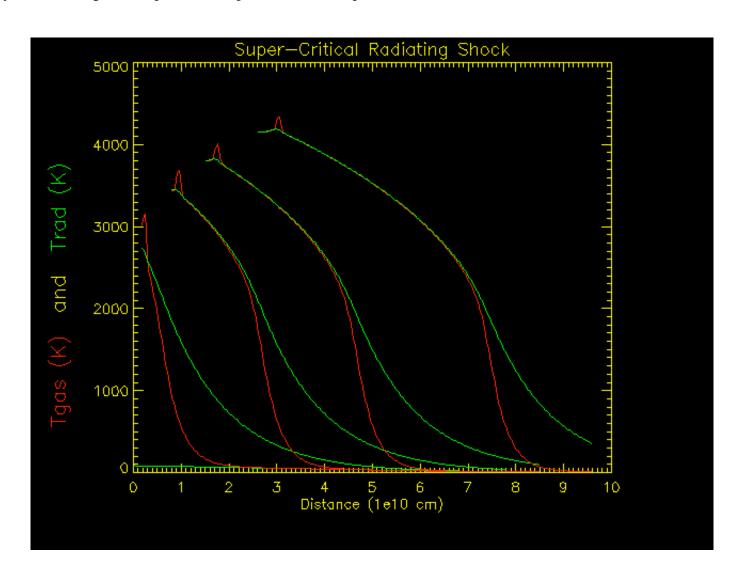


## **Description**

A shock wave is generated in 1D cartesian geometry via a piston moving supersonically through the medium. The figure below shows plots of the gas and radiation temperatures as functions of a coordinate system moving at the speed of the piston. Plots are presented at four different evolution times.



The subroutine which initializes this problem is available <u>here</u>.

The zmp\_inp file used to configure the code is available <u>here</u>.

The ASCII data files from which the figure was generated are available in the table below:

ASCII Data Dumps	
Time 1	<u>usraa000000.001</u>
Time 2	<u>usraa000000.002</u>
Time 3	<u>usraa000000.003</u>
Time 4	<u>usraa000000.004</u>

The IDL program used to create the image is available <a href="here">here</a>. It calls a subprogram available <a href="here">here</a>.