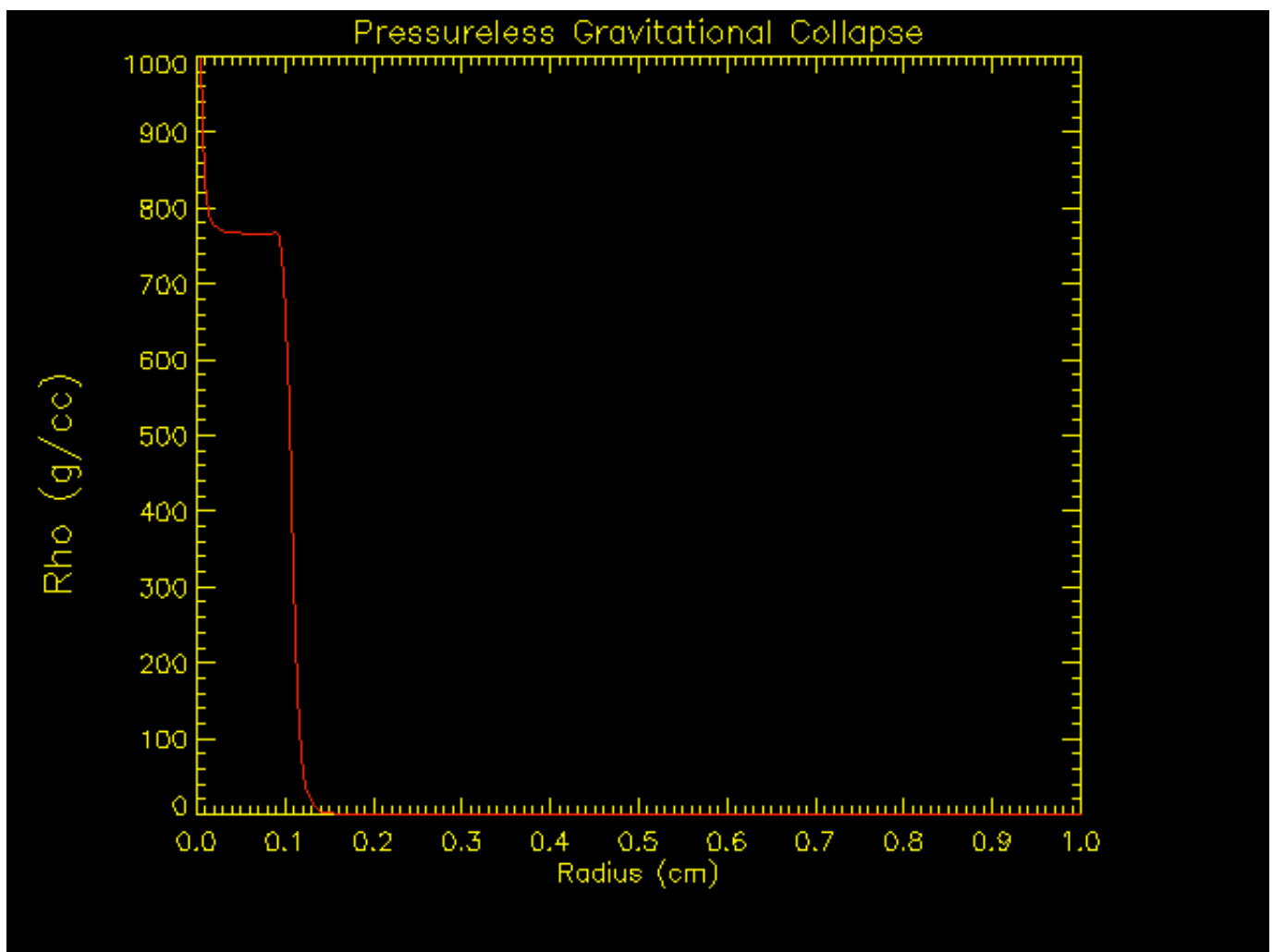


# Pressureless Gravitational Collapse

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## Description

A uniform sphere of unit density and initial radius of 1 cm collapses in free fall. The gravitational constant (GUNIV) was set equal to 1.0 for this test. Artificial viscosity is also zeroed (QCON=0.0). The figure below was generated from a time slice dumped at  $t = 0.535$  sec, which is 0.985 free-fall times.



The subroutine which initializes this problem is available [here](#).

The zmp\_inp file used to configure the code is available [here](#).

The ASCII data file from which the figure was generated is available [here](#).

The IDL program used to create the image is available [here](#). It calls a subprogram available [here](#).