

# BLOW-UP OF SMOOTH SOLUTIONS TO THE NAVIER-STOKES EQUATIONS FOR COMPRESSIBLE ISOTHERMAL FLUIDS

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## Abstract

It is shown that the one-dimensional or two-dimensional radially symmetric isothermal compressible Navier-Stokes system has no non-trivial global smooth solutions if the initial density is compactly supported.

Journal information: Comm. Math. Sci. 11(2013), 541-546.