

Existence of global bounded smooth solutions for the one-dimensional nonisentropic Euler system

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Abstract

We study the existence of global bounded smooth solutions to the one-dimensional nonisentropic Euler system with large initial data. We find a sufficient condition on the initial data to obtain the existence of global bounded classical solution to the Cauchy problem.

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Global classical solutions of 1D.pdf available at <https://authorea.com/users/308697/articles/439683-existence-of-global-bounded-smooth-solutions-for-the-one-dimensional-nonisentropic-euler-system>