

Matsumura, Akitaka; Nishida, Takaaki

The initial value problem for the equations of motion of viscous and heat-conductive gases.

(English) [Zbl 0429.76040](#)

J. Math. Kyoto Univ. 20, 67-104 (1980).

For a scan of this review see the [web version](#).

MSC:

76N15 Gas dynamics, general

35B40 Asymptotic behavior of solutions to PDEs

35K55 Nonlinear parabolic equations

35M99 Partial differential equations of mixed type and mixed-type systems
of partial differential equations

Cited in **6** Reviews
Cited in **441** Documents

Keywords:

global solutions in time; equations of motion; initial value problem; ideal, polytropic, compressible, viscous and heat-conductive; existence and uniqueness

Full Text: [DOI](#)