Poster sessions

Section 14: Mathematical Physics

Poster number 432

On the Cauchy problem for the nonlinear Boltzmann equation

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ABSTRACT_

A new general approach to the understanding of the Cauchy problem for the spatially inhomogeneous Boltzmann equation is proposed. Some new global existence and uniqueness theorems are proved.

Keywords: Boltzmann equation, Cauchy problem, global existence theorem, uniqueness theorem

Mathematics Subject Classification: 45K05, 76P05, 82C40

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