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***H* Theorem for vibrationally-excited many body collisions**

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Kinetic Theory Distribution Functions and Equilibrium

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A Technique for Developing an Entropy Consistent System of Second-Order

Hydrodynamic Equations

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Many Body Collisions under an External Force

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Reciprocity Theory of vibrationally excited many-body collisions

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Reciprocity Modelling of vibrationally excited four-body collisions

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The Equilibrium and Oscillations of Dust Grains in a Flowing Plasma

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Charged Colloidal Structures in Plasmas

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Quantum Chemistry Based Methods of Modelling of Clusters and Their Applications

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Argon Compressibility and Viscosity at Clusterization Conditions

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