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M.H.A. Pramanik ** International Centre For Theoretical Physics, Trieste, Italy.

ABSTRACT In Both Non-degenerate And Degenerate Cases Expressions For The A.C. Conductivity Are Derived From The Boltzmann's Rate Equation •without Taking Into Account The Exclusion Factor. It Is Found That These Expressions Are 3th, 2021

Tensor Methods For The Boltzmann-BGK Equation Use Particle-based Methods [7], E.g., Direct Simulation Monte Carlo (DSMC) [8] or The Nambu-Babovsky Method [9]. These Methods Preserve The Main Physical Properties Of The System, Even Far From Equilibrium, And Are Computationally Efficient Away From Near-Fluid Regimes. In Particular, They Have Low Memory Requirements And Their Cost Scales Linearly With The Number Of Particles. However, Their ... 2th, 2021.

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62.36 $\text{L Torr mol}^{-1} \text{K}^{-1}$ Boltzmann's Constant $k_B = 1.38 \times 10^{-23} \text{ L atm K}^{-1}$ Van Der Waals Equation Of State: $(p + \frac{a}{V^2})(V - b) = RT$, 2021.

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