# Prediction of Transport Properties of Pure Inert Gas and Binary Mixtures Argon-Krypton, Argon-Xenon, Helium-Argon and Neon-Argon by *Ab Initio* Calculations

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*Ab initio* calculations of transport properties of gas have been of great interest in recent decades. Many accurate *ab initio* potentials were presented. We compared parameters of different potentials and the calculated viscosity and thermal conductivity of pure helium, neon, argon, krypton, xenon and binary mixtures argon-krypton, argon-xenon, helium-argon, neon-argon. The results are found to be in good agreement with experimental data.