## CALCULATIONS OF ELECTRON-ION COUPLING FACTORS USING THE STARRETT AND SAUMON AVERAGE-ATOM MODEL

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Several methods to calculate the electron-ion coupling factors using the two-temperature version of the Starrett and Saumon ion-correlation average-atom model [1] are examined. The method based on the calculation of transport scattering cross-section for the pseudoatom potential without explicit accounting for the ion structure factor is shown to provide both the correct description of high-temperature asymptotics and the satisfactory agreement with multicenter calculations for a number of metals at electron temperatures of few eV.

## References

1. **Starrett, C. E.** A simple method for determining the ionic structure of warm dense matter [Text] / C. E. Starrett and D. Saumon // High Energy Density Physics. – 2014. – Vol. 10. – P. 35–42.