There were some errors, which do not affect the results that were presented, in the expressions for the viscosity and thermal conductivity coefficients and cross sections. The correct ones, that is to say those used in the code in all of the simulations, are as follows:

\[ \xi_n = \frac{\sqrt{k_B T_n \pi m_i}}{2\Sigma_{nn}} \quad \text{and} \quad \xi_c = \frac{\sqrt{k_B T_c \pi m_i}}{2\Sigma_{ii}}, \]

(1)

The collisional cross sections used in Eqs. (1) and (2) are

\[ \Sigma_{nn} = 7.73 \times 10^{-19} \text{ m}^2 \quad \text{and} \quad \Sigma_{ii} = \frac{20\pi \sqrt{2}}{3} \left( \frac{e^2}{4\pi \epsilon_0 k_B T_c} \right)^2 \text{ m}^2. \]

(3)

The incorrect expressions appear in the following:

- Eq. (12) in Popescu Braileanu et al. (2023),
- Eq. (A.10) in Popescu Braileanu et al. (2019).

References

Popescu Braileanu, B., Lukin, V. S., Khomenko, E., & de Vicente, Á. 2019, A&A, 627, A25
Popescu Braileanu, B., Lukin, V. S., & Khomenko, E. 2023, A&A, 670, A31