Erratum

Three-fluid plasmas in star formation

II. Momentum transfer rate coefficients

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\textbf{Key words.} atomic processes – molecular processes – plasmas – magnetohydrodynamics (MHD) – ISM: clouds – ISM: jets and outflows – errata, addenda

The third line of Table 2 of the paper “Three-fluid plasmas in star formation II. Momentum transfer rate coefficients” by Pinto and Galli, published in Astronomy & Astrophysics 484, 17–28, contains an error. The correct line is given in Table 2 here. We would like to thank Despina Panoglou and Sylvie Cabrit for finding this error and drawing our attention to it.

Table 2. Fitting formulae for momentum transfer coefficients as function of $v_{\text{rms}}$ (in km s\textsuperscript{-1}).

<table>
<thead>
<tr>
<th>Species $s, s'$</th>
<th>$\langle (\sigma v)_{s,s'} \rangle$ (cm\textsuperscript{3} s\textsuperscript{-1})</th>
<th>$v_{\text{rms}}$ (km s\textsuperscript{-1})</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCO\textsuperscript{+}, H\textsubscript{2}</td>
<td>$2.40 \times 10^{-7} \rho_{\text{ms}}^{\frac{1}{6}}$</td>
<td>$0.2 \leq v_{\text{rms}} \leq 5$</td>
</tr>
<tr>
<td>H\textsuperscript{+}, H\textsubscript{2}</td>
<td>$2.00 \times 10^{-7} \rho_{\text{ms}}^{\frac{1}{5}}$</td>
<td>$1 \leq v_{\text{rms}} \leq 10$</td>
</tr>
<tr>
<td>H\textsuperscript{+}, H\textsubscript{2}</td>
<td>$1.35 \times 10^{-7} \rho_{\text{ms}}^{\frac{1}{2}}$</td>
<td>$1 \leq v_{\text{rms}} \leq 10$</td>
</tr>
<tr>
<td>$e, H$</td>
<td>$3.16 \times 10^{-11} \nu_{\text{ms}}$</td>
<td>$20 \leq v_{\text{rms}} \leq 200$</td>
</tr>
<tr>
<td>C\textsuperscript{+}, H</td>
<td>$1.74 \times 10^{-7} \nu_{\text{ms}}$</td>
<td>$2 \leq v_{\text{rms}} \leq 20$</td>
</tr>
<tr>
<td>H\textsuperscript{+}, H</td>
<td>$2.13 \times 10^{-7} \rho_{\text{ms}}^{\frac{1}{5}}$</td>
<td>$v_{\text{rms}} \geq 1$ (GKS)</td>
</tr>
<tr>
<td>$e, H$</td>
<td>$2.50 \times 10^{-10} \nu_{\text{ms}} \exp(-v_{\text{rms}}/460)$</td>
<td>$20 \leq v_{\text{rms}} \leq 600$</td>
</tr>
<tr>
<td>H\textsuperscript{+}, He</td>
<td>$1.48 \times 10^{-7} \nu_{\text{ms}}^{0.02}$</td>
<td>$0.1 \leq v_{\text{rms}} \leq 10$</td>
</tr>
<tr>
<td>$e, He$</td>
<td>$7.08 \times 10^{-11} \nu_{\text{ms}}$</td>
<td>$20 \leq v_{\text{rms}} \leq 500$</td>
</tr>
</tbody>
</table>