CORRIGENDUM

The stress tensor in a granular flow at high shear rates

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The Maxwellian velocity distribution that is given in the paper as equation (2.12) must be corrected by replacing $\overline{v^2}$ everywhere it appears by $\tfrac{2}{3}\overline{v^2}$, thus

$$f^{(1)}(\mathbf{c}_1, \mathbf{r}_1; \mathbf{u}(\mathbf{r}_1)) = (\pi \tfrac{2}{3}\overline{v^2})^{-\frac{3}{2}} \exp\left\{-\tfrac{3}{2}(\mathbf{c}_1 - \mathbf{u}(\mathbf{r}_1))^2/\overline{v^2}\right\}.$$

This distribution correctly fulfills the normalization conditions

$$\int f^{(1)} d\mathbf{c}_1 = n, \quad \int \mathbf{c} f^{(1)} d\mathbf{c}_1 = n\mathbf{u}, \quad \int (\mathbf{c}-\mathbf{u})^2 f^{(1)} d\mathbf{c} = n\overline{v^2}.$$

All subsequent occurrences of $\overline{v^2}$ (both in the text and the figures) must be similarly changes to $\tfrac{2}{3}\overline{v^2}$. The comparisons with experiment (figures 6 and 9), however, are not changed because the results were fitted using the parameter R and no independent estimate of $\overline{v^2}$ was made.