Erratum

Ferrofluid lubrication of a porous slider bearing with a convex pad surface considering slip velocity
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Typesetting errors have occurred throughout the paper which may lead to different interpretations of the equations.

On page 2, paragraph 1, line 3, where it now says:
'thickness l backed by a . . .'
should be
'thickness l backed by a . . .'

On page 2, equation (2), where it now says:
\[ \frac{\partial}{\partial x} \]
should be
\[ \frac{\partial}{\partial \chi} \]

On page 3, equation (11), the line under equation (11):
'The continuity eq. in the porous matrix yields'
should be moved to above equation 11.

On page 3, equation (12), where it now says:
\[ = -1 \frac{d^2}{dx^2} \left( p - \frac{\mu_0 \chi H^2}{2} \right) , \]
should be
\[ = -l \frac{d^2}{dx^2} \left( p - \frac{\mu_0 \chi H^2}{2} \right) , \]

On page 3, equation (13), where it now says:
\[ \left[ -1 \frac{d^2}{dx^2} \left( p - \frac{1}{2} \mu_0 \chi H^2 \right) \right] \]
should be
\[ -\frac{d^2}{dx^2} \left( p - \frac{1}{2} \mu_0 \chi H^2 \right) \]

**On page 3, equation (13), where it now says:**

\[ \left( P - \frac{1}{2} \mu_0 \chi H^2 \right) \]

should be
\[ \left( p - \frac{1}{2} \mu_0 \chi H^2 \right) \]

**On page 4, equation (14), where it now says:**

\[ \left\{ 12kl + \frac{h^3(4 + sh) - (3\rho \alpha^2 \chi ksh^2 H)/\zeta}{(1 + sh) \left( 1 - \frac{\rho \alpha^2 \chi H}{2\zeta} \right)} \right\} \]

should be
\[ \left\{ 12kl + \frac{h^3(4 + sh) - (3\rho \alpha^2 \chi ksh^2 H)/\zeta}{(1 + sh) \left( 1 - \frac{\rho \alpha^2 \chi H}{2\zeta} \right)} \right\} \]

**On page 5, equation (15), where it now says:**

\[ \frac{kl}{h_i^3} \]

should be
\[ \frac{kl}{h_i^3} \]

**On page 9, 4th line from top, where it now says:**

\[ H \quad \text{magnitude of \( \overline{H} \)} \]

should be
\[ H \quad \text{magnitude of \( H \)} \]

**On page 9, 6th line from top, where it now says:**

\[ \phi \quad \text{inclination of \( \overline{H} \) with the x- axis} \]

should be
\[ \phi \quad \text{inclination of \( H \) with the x- axis} \]