



$$u(y, z) = \frac{16a^2}{\mu\pi^3} \left(-\frac{dp}{dx}\right) \sum_{i=1,3,5,\dots}^{\infty} (-1)^{\frac{(i-1)}{2}} \left[1 - \frac{\cosh\left(\frac{i\pi z}{2a}\right)}{\cosh\left(\frac{i\pi b}{2a}\right)} \right] \frac{\cos\left(\frac{i\pi y}{2a}\right)}{i^3}$$

- μ : dynamic viscosity
- dp/dx : pressure gradient