



# Underworld Geodynamics Software Framework

[User Manual](#) (stable)

[User Manual](#) (development)

[API documentation](#) (stable)

[API documentation](#) (development)

[Underworld Blog](#)

stokes.st

$$\left[ \begin{array}{cc} U & \\ \frac{U_{1,0}(\mathbf{r})}{2} + & \end{array} \right]$$

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$$\left[ \begin{array}{cc} -P(\mathbf{r}) + 2U_{0,0}(\mathbf{r}) & U_{1,0}(\mathbf{r}) + \frac{U_{0,1}(\mathbf{r})}{r} - \frac{U_1(\mathbf{r})}{r} \\ U_{1,0}(\mathbf{r}) + \frac{U_{0,1}(\mathbf{r})}{r} - \frac{U_1(\mathbf{r})}{r} & -P(\mathbf{r}) + \frac{2U_0(\mathbf{r})}{r} + \frac{2U_{1,1}(\mathbf{r})}{r} \end{array} \right]$$



