

$$\mathbf{a} := \begin{pmatrix} 1 \\ 2 \\ 3 \\ 4 \end{pmatrix}$$

$$\mathbf{M} := \mathbf{1}$$

$$\mathbf{l} := 10$$

$$\mathbf{i} := 0..3$$

$$\mathbf{Ra_i} := \frac{\mathbf{M \cdot a_i}}{\mathbf{l^3}} \cdot (1 - \mathbf{a_i}) \qquad \mathbf{Ra} = \begin{pmatrix} 0.009 \\ 0.016 \\ 0.021 \\ 0.024 \end{pmatrix}$$