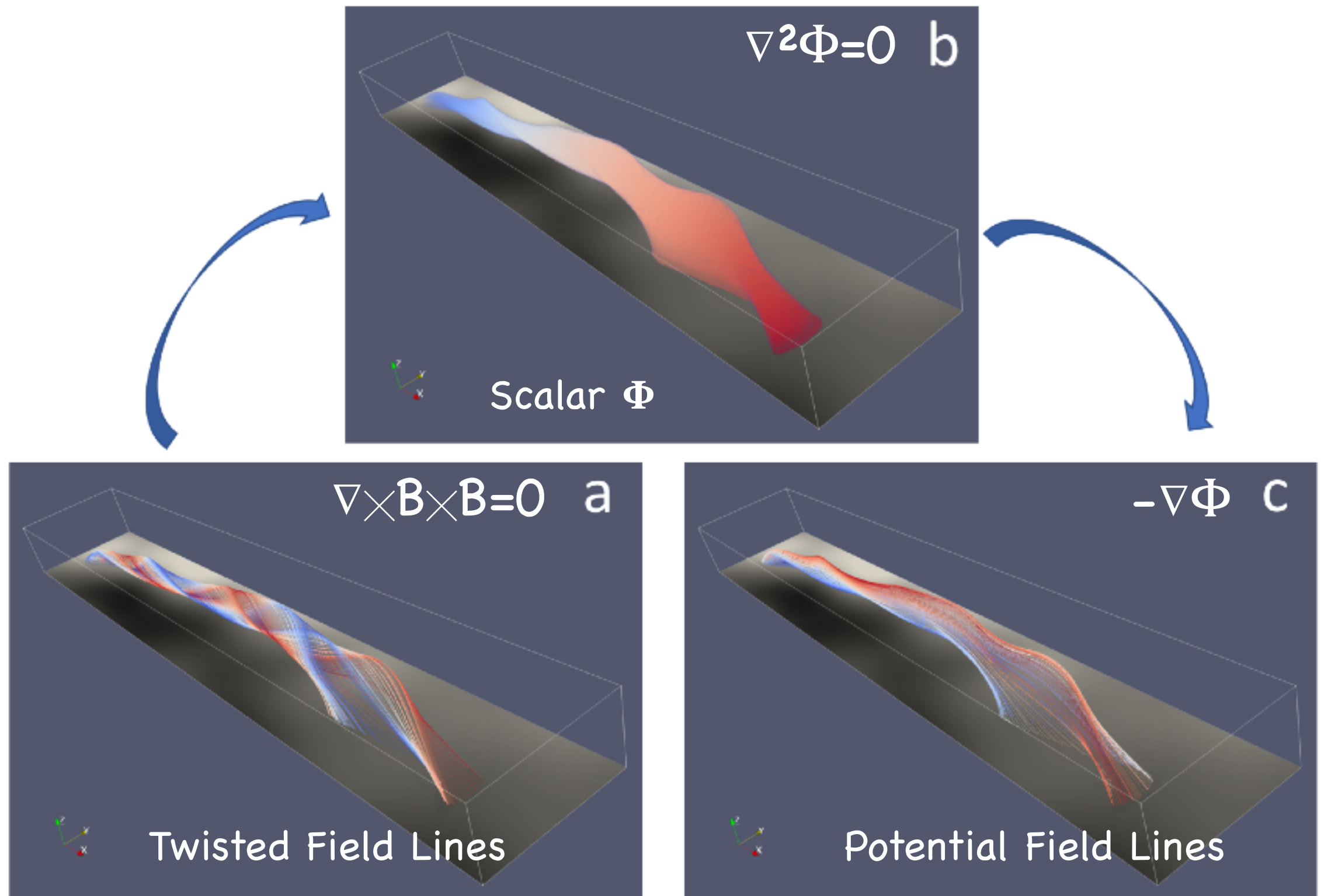


A

Example of Confined Potential Field from Reconstructed MFR



A

Calculation of the Helicity

DeVore gauge

$$\left\{ \begin{array}{l} A_x(x, y, z) = \int_0^z B_y(x, y, z') dz' \\ A_y(x, y, z) = f(x, y) - \int_0^z B_x(x, y, z') dz' \\ A_z(x, y, z) = 0 \\ f(x, y) = \int_0^x B_z(x', y, 0) dx' \end{array} \right.$$

Malanushenko & Longcope (2009)

$$H_R = \int_{\Omega} (\mathbf{B} - \mathbf{P}) \cdot (\mathbf{A} + \mathbf{A}_p) d^3 \vec{x}$$

Finn & Antonsen (1985)

