

FIG. 10: The components (left: radial component, right: azimuthal component) of the magnetic pattern in the AMRI domain (fast rotation) for $\beta = 10$. Top: $Re = 150$, $Ha = 50$ (minimum); bottom: $Re = 200$, $Ha = 80$. The fields are normalized with B_{in} , $\mu_B = 1$, $Pm = 1$.

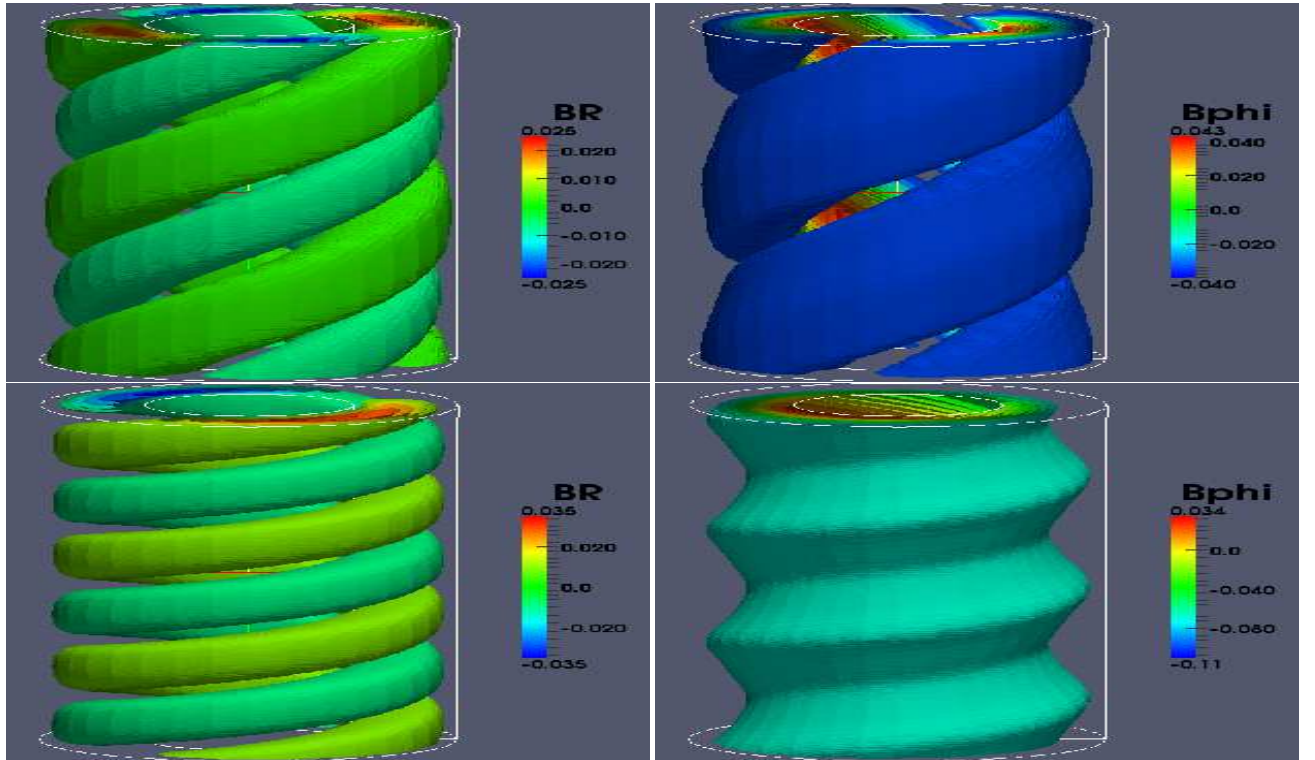


FIG. 11: Components of the magnetic pattern (left: radial component, right: azimuthal component) for TI (slow rotation). $Re = 30$, $Ha = 130$. Top: $\beta = 2$, Bottom: $\beta = 10$. The fields are normalized with B_{in} , $\mu_B = 1$, $Pm = 1$.