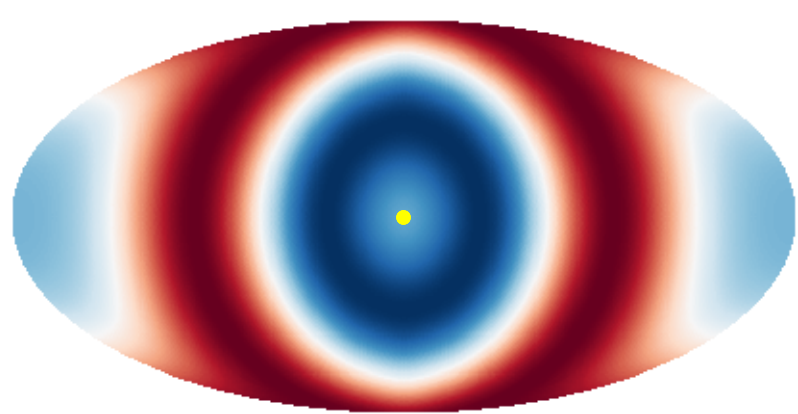
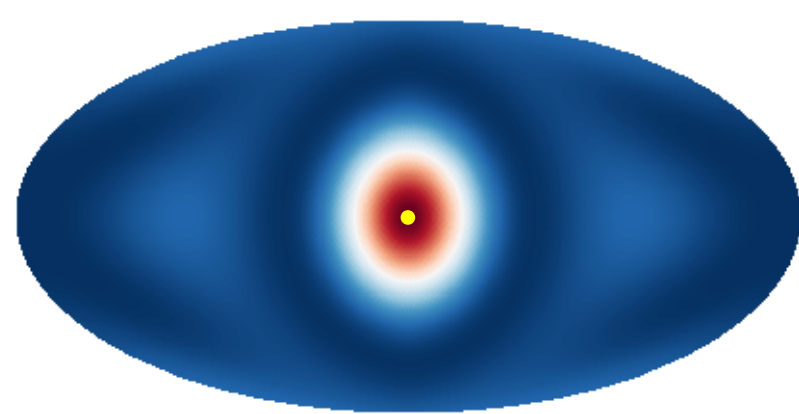


$\text{Tr}[H_{ij}^{(0)}]$



$q_i n_j H_{ij}^{(0)}$



$H_{ij}^{(0)} H_{ij}^{(0)}$