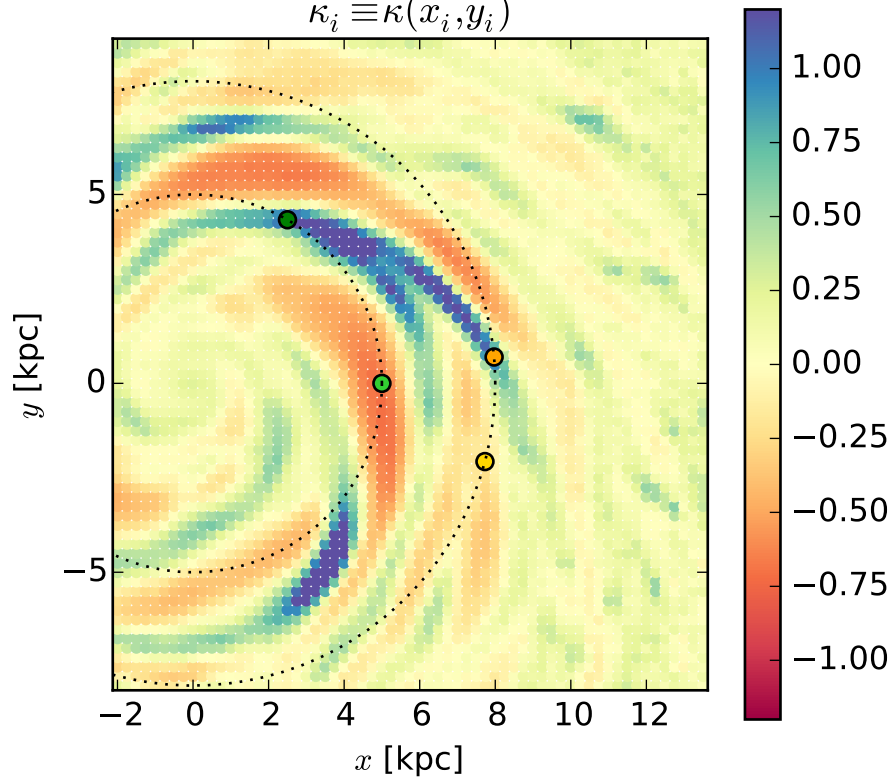
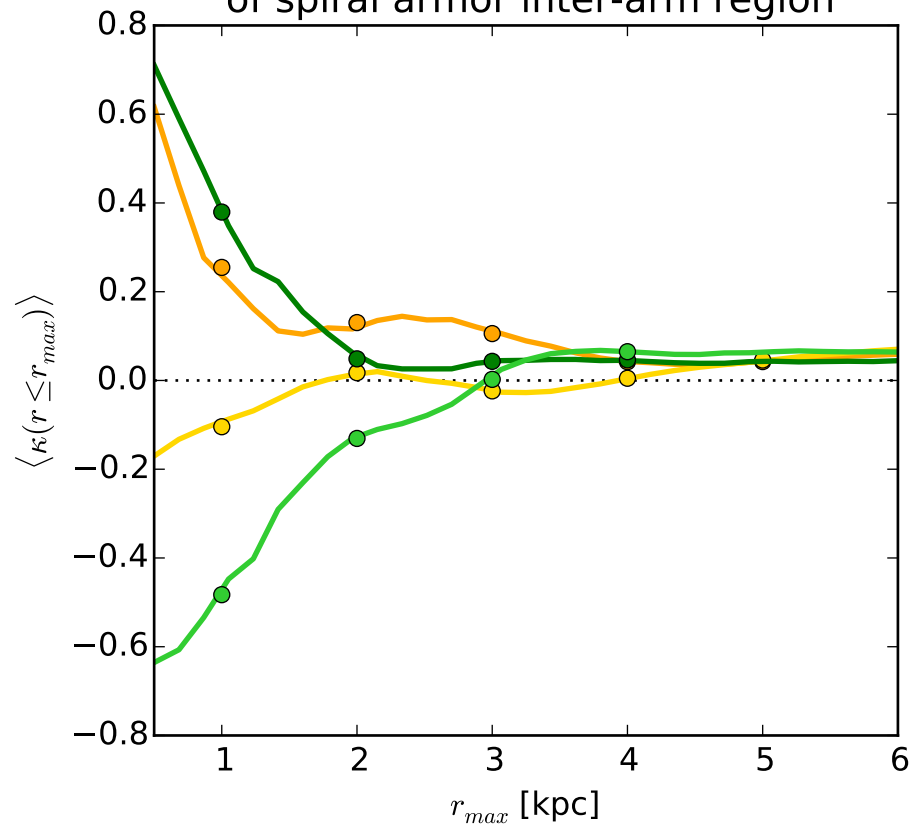


Non-axisymmetries

$$\kappa_i \equiv \kappa(x_i, y_i)$$

Dominance
of spiral armor inter-arm regionContrast
of spiral arms and inter-arm regions