

RCDS

$\Delta S_{\text{free}}$

free sext.  
families

$\Delta S_{\text{free}}$

$$\Delta \xi = \tilde{J}_{\xi} \Delta S_{\text{free}}$$

compensation  
families

$$\Delta S_{\text{comp.}} = -J_{\xi}^{\prime+} \Delta \xi$$

$$\Delta S = \Delta S_{\text{free}} + \Delta S_{\text{comp.}}$$

storage ring  
sextupoles

