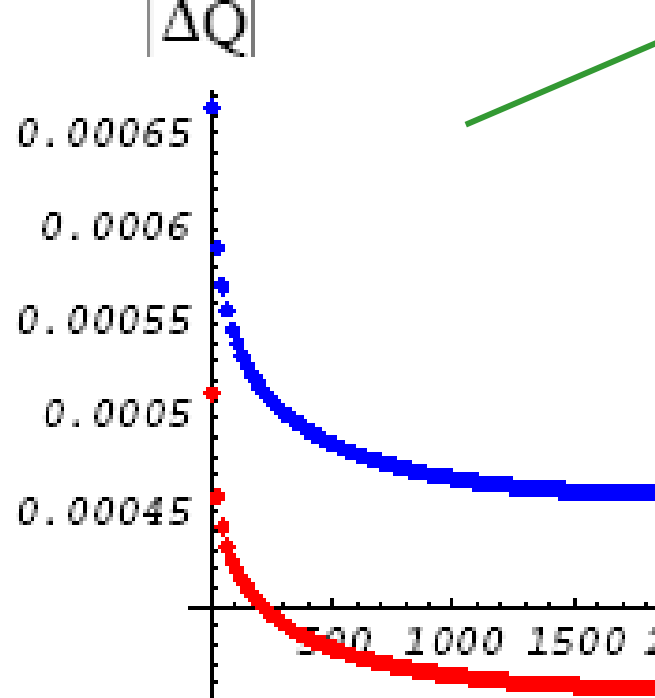
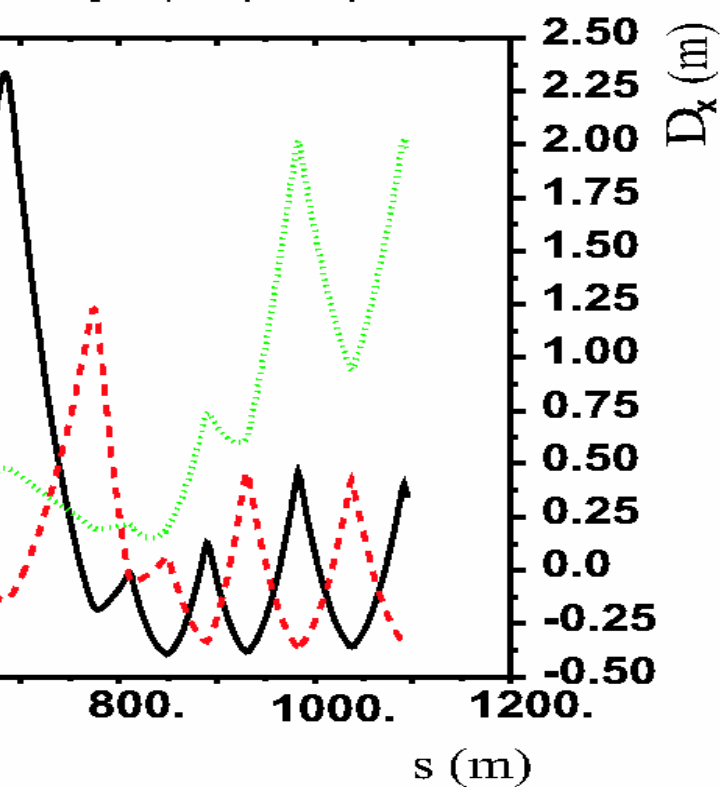


$$+ R_{12} K_2 xy \quad ,$$

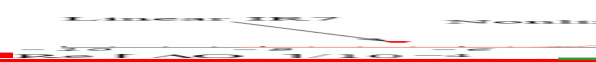
$$+ \frac{1}{2} R_{34} K_2 (x^2 - y^2)$$

skew sextupole



Stability Diagram

- Potentially unstable region stabilized by Landau damping (see figures below. For more details see [1]).
- Computed coherent frequencies for two cases of the beam system:



Positive anharmonic

Negative anharmonic