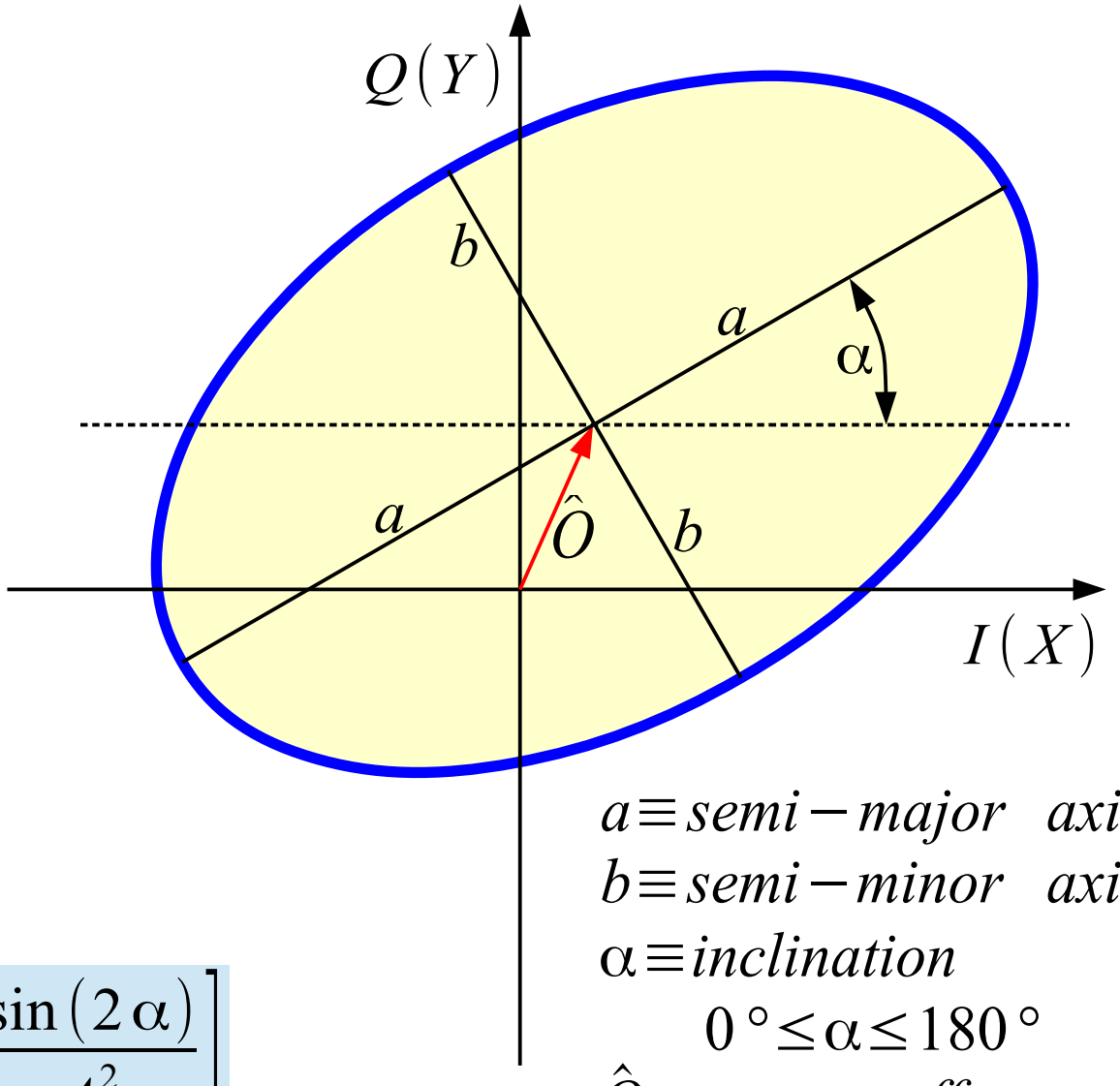
$$R=\frac{a}{b}\equiv axial\quad ratio$$

$$1\le R\le\infty$$

$$R_{dB}=20\log_{10}\left(\frac{a}{b}\right)$$



$$a\equiv semi-major\quad axis$$

$$b\equiv semi-minor\quad axis$$

$$\alpha\equiv inclination$$

$$0^\circ\le\alpha\le180^\circ$$

$$\hat{O}\equiv center\quad offset$$

Image rejection

$$A=\frac{R-1}{R+1}=\frac{a-b}{a+b}$$

$$A_{dB}=20\log_{10}\left(\frac{a-b}{a+b}\right)$$

$$Phase\quad error\equiv\Delta\phi=\arctan\left[\frac{2A\sin(2\alpha)}{1-A^2}\right]$$

$$Gain\quad error\equiv\Delta G_{dB}=10\log_{10}\left[\frac{1+A^2-2A\cos(2\alpha)}{1+A^2+2A\cos(2\alpha)}\right]$$