this plot assumes Q = x+90° indination i=0 \rightarrow 90° offset to scattering angle? max scattering angle Do we just get a factor of cos(i) or is it more planet compliated? focal point center = Semi-major axis focal point IWA - blocked by the coronagraph min. scattering ccentricitu: Ellipse equation: OSEXY $\Gamma(\alpha)$ $\alpha + e \cdot \cos(\alpha)$ $r(\alpha) > n^{\lambda}/D = IWA$ We need: $\alpha = \arccos\left(\frac{\alpha^2 - e^2}{e \cdot IWA}\right)$ Solve for