Detector :: do_Rag

=
$$2 \Delta \varphi \sin \frac{g_{\text{max}} + g_{\text{min}}}{2} \sin \frac{g_{\text{max}} - g_{\text{min}}}{2}$$

Central Ray:
$$\mathfrak{I}=0$$
, $\mathfrak{I}_{min}=0$, $\mathfrak{I}_{max}=\frac{\delta \mathfrak{I}}{2}$
 $q_{min}=0$, $q_{max}=2\pi$

$$\Delta \Omega = 2 \times 2\pi \times \sin \frac{\Delta h}{2} \times \sin \frac{\Delta h}{2} = 4\pi \sin^2 \frac{\Delta h}{4}$$

if
$$\Delta J \rightarrow 0$$
, then $\Delta \mathcal{Q} \approx 4\pi \left(\frac{\Delta J}{4}\right)^2 = \pi \left(\frac{\Delta J}{2}\right)^2 \sqrt{2}$

All other Rays:
$$9 \neq 0$$
, $9_{min} = 9 - \frac{50}{2}$, $9_{max} = 9 + \frac{50}{2}$

$$\Delta Q = 2 \text{ sin } S \sin \frac{\delta S}{2}$$