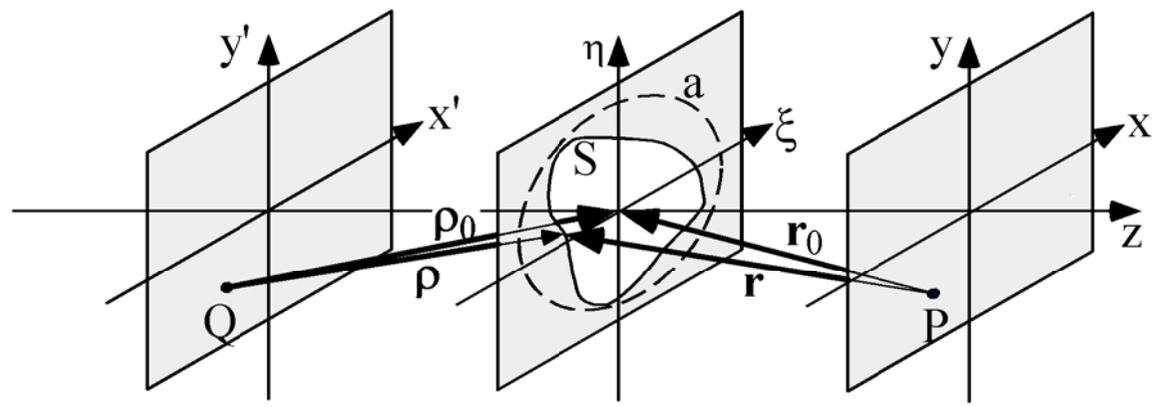


Wave Optics: geometry of Fraunhofer diffraction

$$\mathcal{E}(\mathbf{r}_P) = -\frac{i\mathcal{E}_Q}{2\pi} \oint_S \frac{e^{ik(r+\rho)}}{r\rho} N(\mathbf{r}, \rho) dS$$

Stokes' factor



elementary spherical wave

For uniform illumination of S:

$$\mathcal{E}(\mathbf{r}_P) = -\frac{i\mathcal{E}_S}{\lambda} \oint_S \tau(\xi, \eta) \frac{e^{ikr}}{r} d\xi d\eta$$

transmission function

