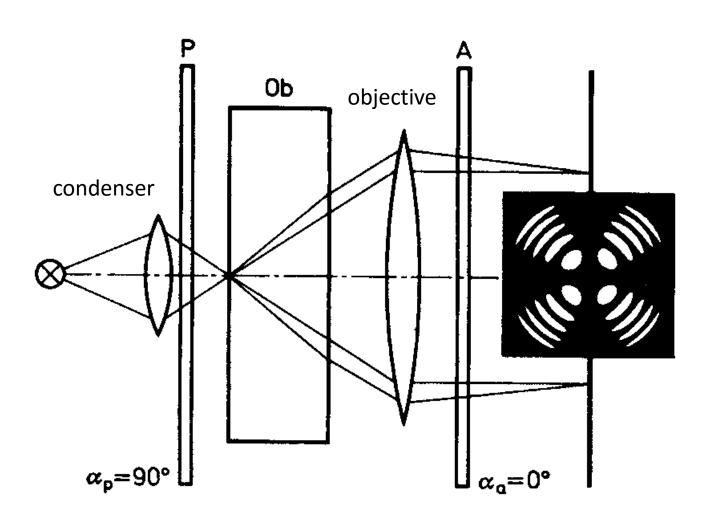
# Conoscopy

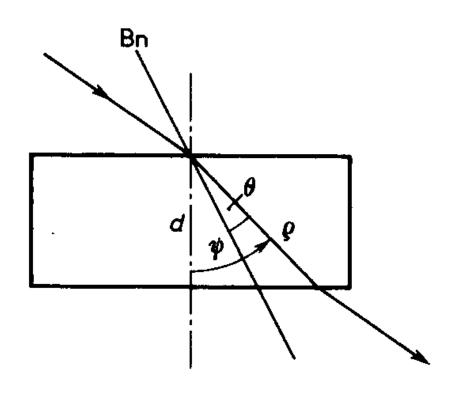
## Theoretical background

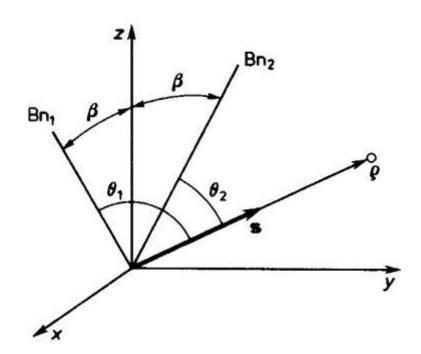


### Theoretical background

$$R = \rho(n_o - n_e)\sin^2\theta = d(n_o - n_e)\sin^2\theta/\cos\psi$$

$$R = \rho(n_z - n_x)\sin\theta_1\sin\theta_2 = d(n_z - n_x)\sin\theta_1\sin\theta_2/\cos\psi,$$





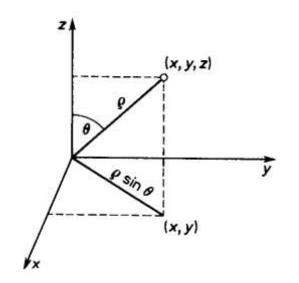
### Theoretical background

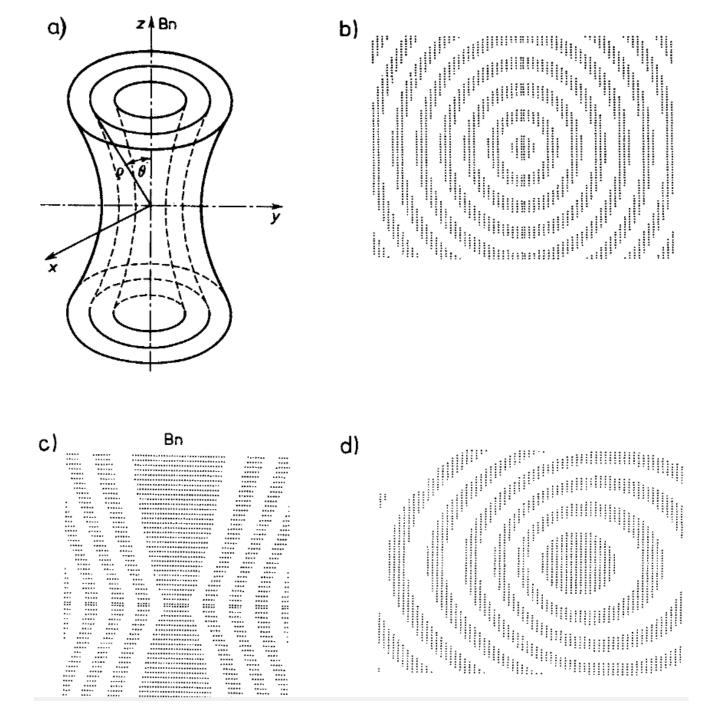
A polariscopic equation adjusted for conoscopic setup: (for uniaxial setup)

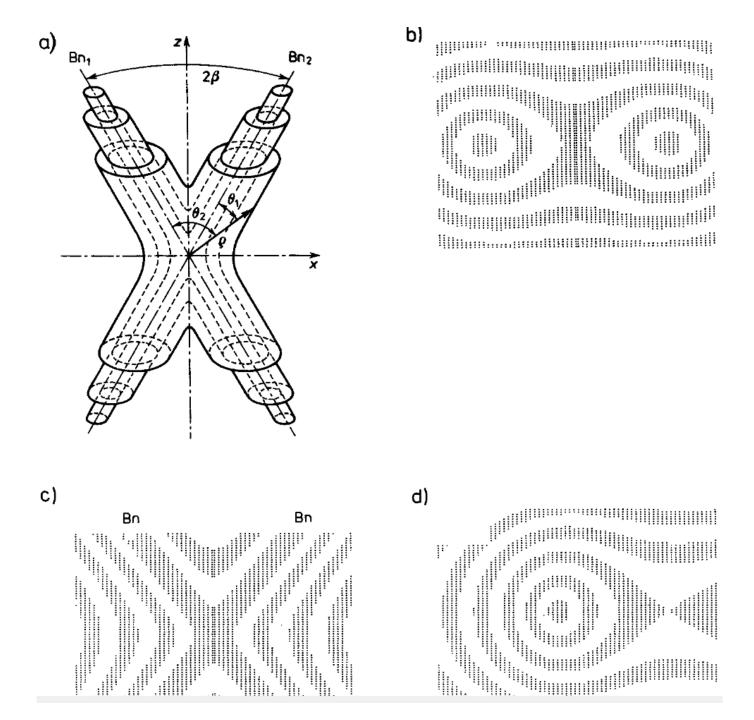
$$I = I_{\text{max}} \sin^2 2\alpha \sin^2 [(\pi \rho/\lambda) (n_{\text{o}} - n_{\text{e}}) \sin^2 \theta]$$

(for biaxial setup)

$$I = I_{\text{max}} \sin^2 2\alpha \sin^2 [\pi \rho / \lambda) (n_z - n_x) \sin \theta_1 \sin \theta_2]$$







#### Methodology of measurement

