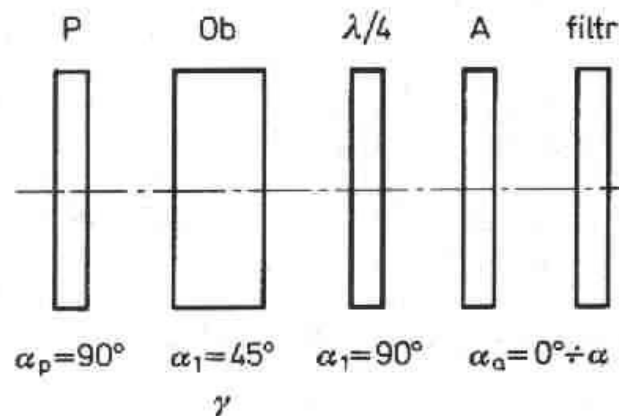
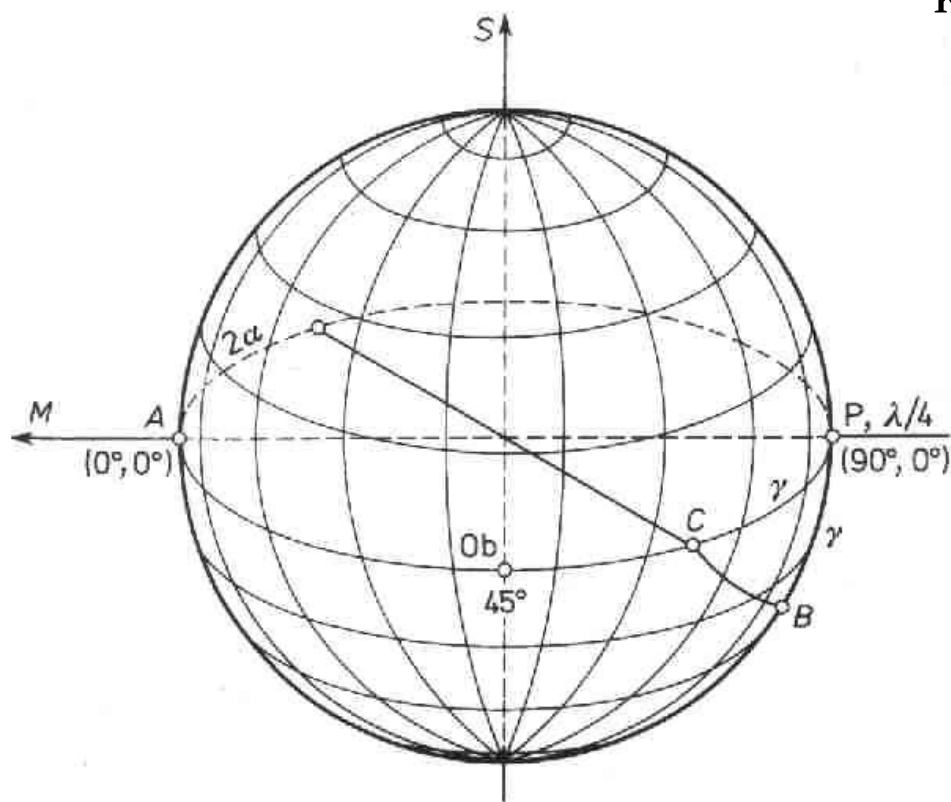


Kompensatory

Kompensatory azymutalne

- kompensator Senarmonta

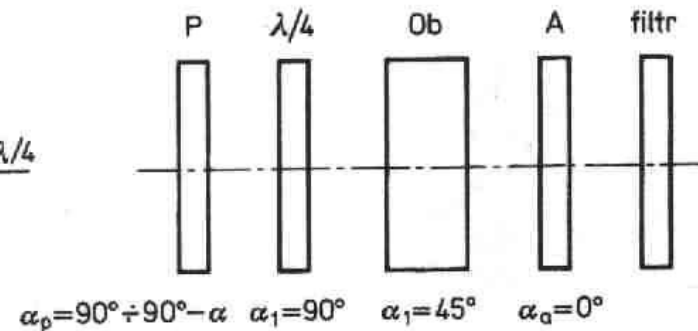
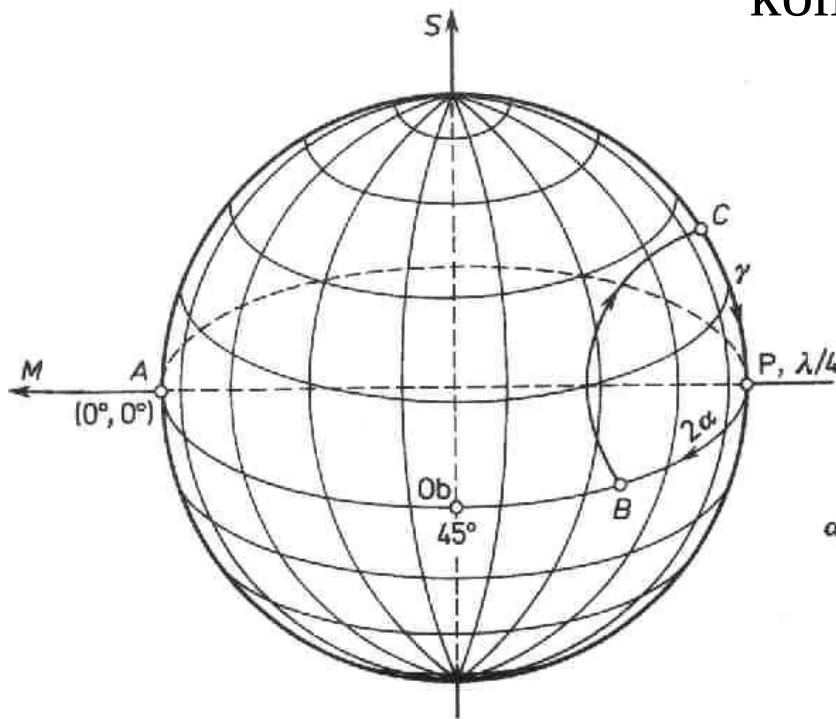
kompensator prosty



$$\gamma = 2\Delta\alpha_A$$

Kompensatory azymutalne - kompensator Senarmonta

kompensator odwrotny



$$\gamma = 2\Delta\alpha_P$$

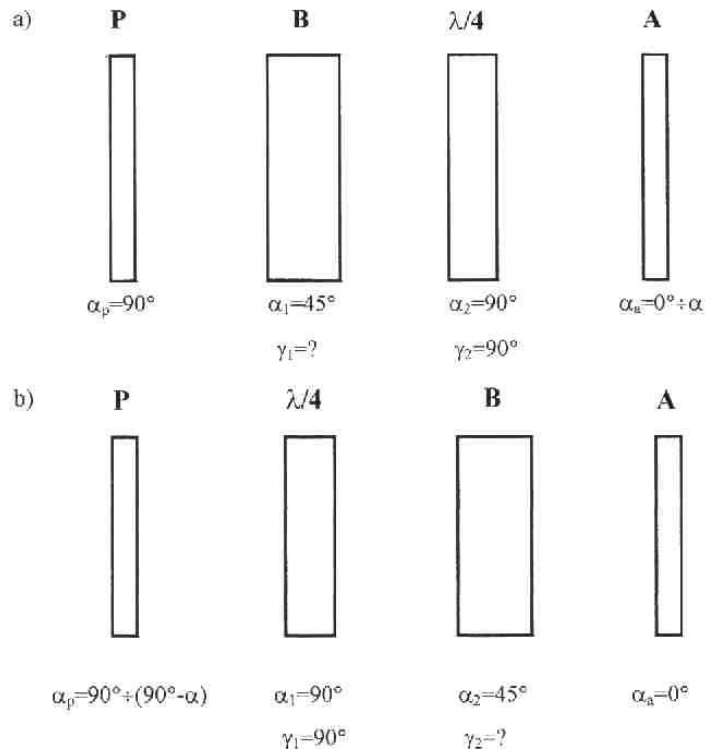
Kompensator Senarmonta

- „zła” ćwierćfalówka

„zła” ale znana

$$\tan \gamma = \frac{\tan 2\Delta\alpha_A}{\sin \gamma_q}$$

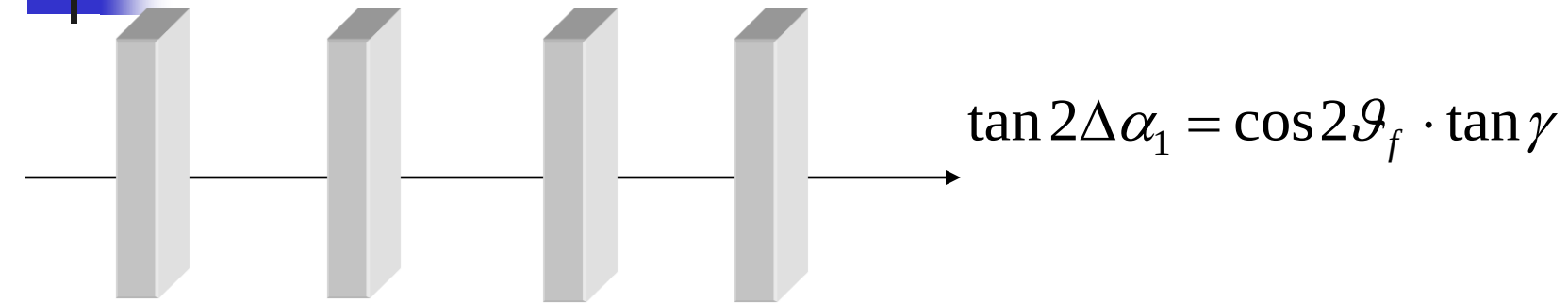
„zła” i nieznana



$$\tan 2\Delta\alpha_A = \tan \gamma_1 \sin 2\gamma_2$$

$$\tan 2\Delta\alpha_P = \tan \gamma_2 \sin 2\gamma_1$$

Kompensator Senarmonta dla ośrodków eliptycznie dwójłomnych

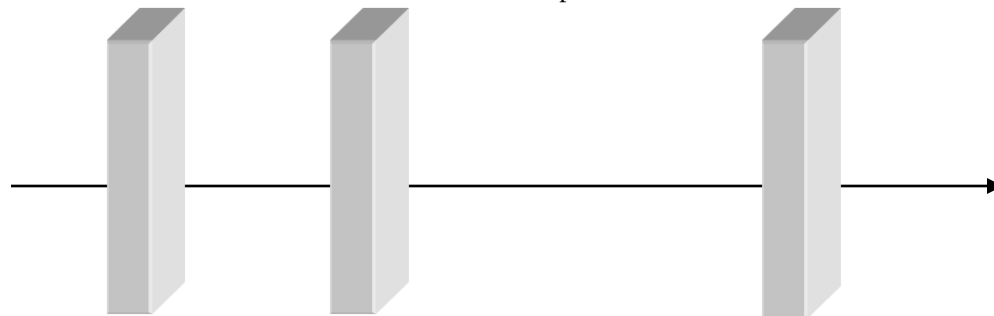


P 90°

Ob 45°

γ_p 90°

A 0°÷ α_1



P 90°

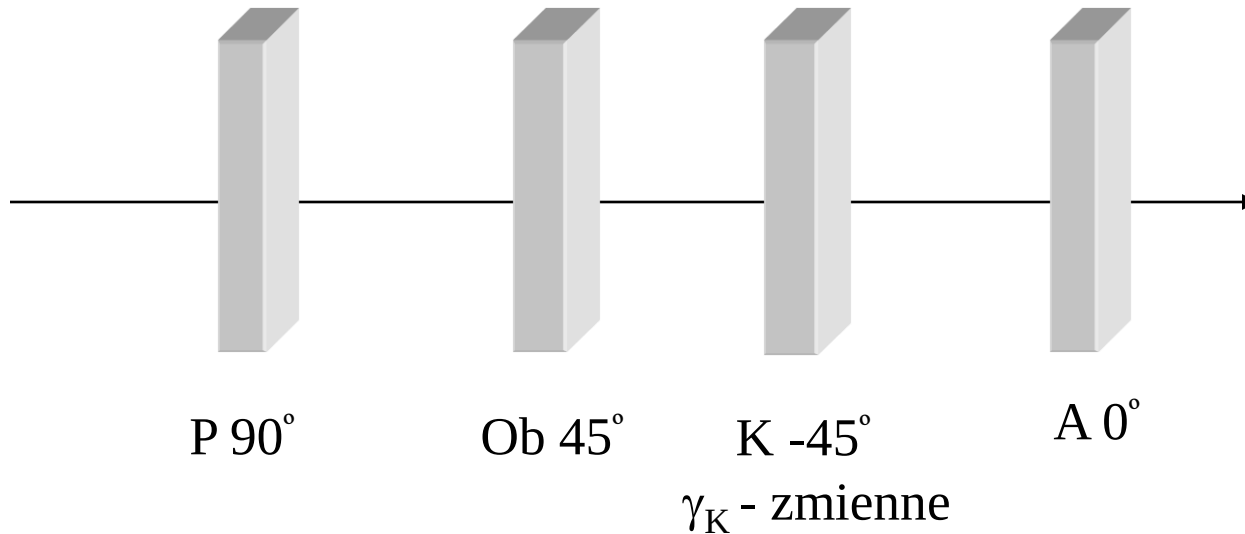
Ob 45°

A 0°÷ α_1

$$\tan 2\vartheta_f = \frac{\tan 2\Delta\alpha_2}{\tan 2\Delta\alpha_1}$$

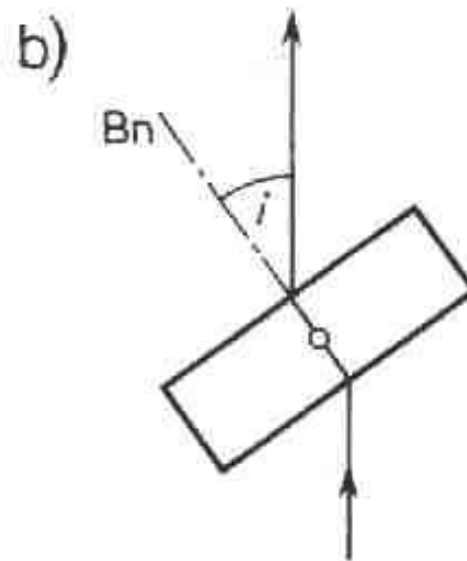
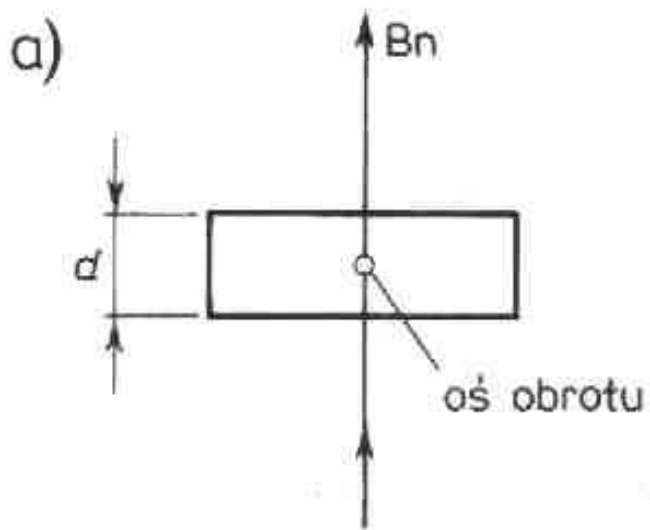
$$\tan^2 \gamma = \tan^2 2\Delta\alpha_1 + \tan^2 2\Delta\alpha_2$$

Kompensatory bezpośrednie *- zasada kompensacji*



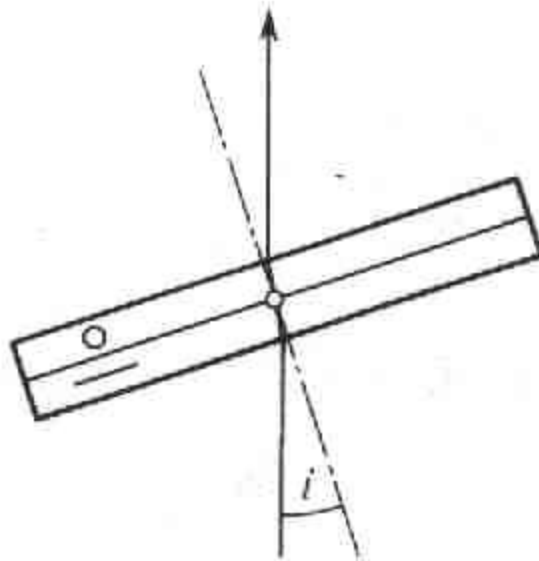
$$I = I_0 \sin^2 \left(\frac{\gamma - \gamma_K}{2} \right) \longrightarrow \gamma = \gamma_K \pm 2N\pi$$

Kompensator Bereka

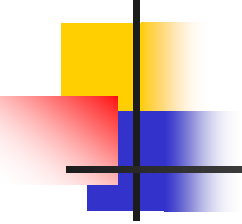


$$\gamma_K = \gamma_K(i)$$

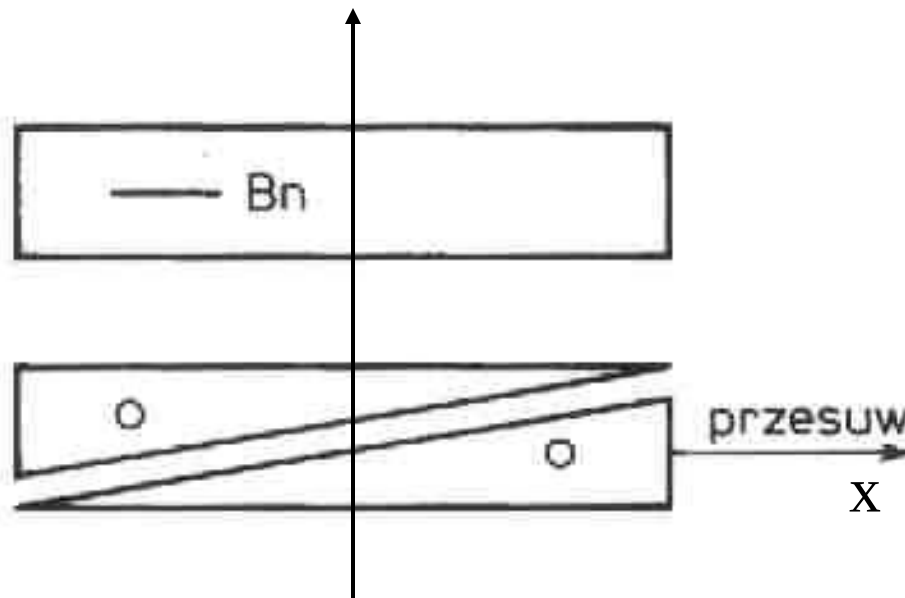
Kompensator Ehringhaus



$$\gamma_K = \gamma_K(i)$$

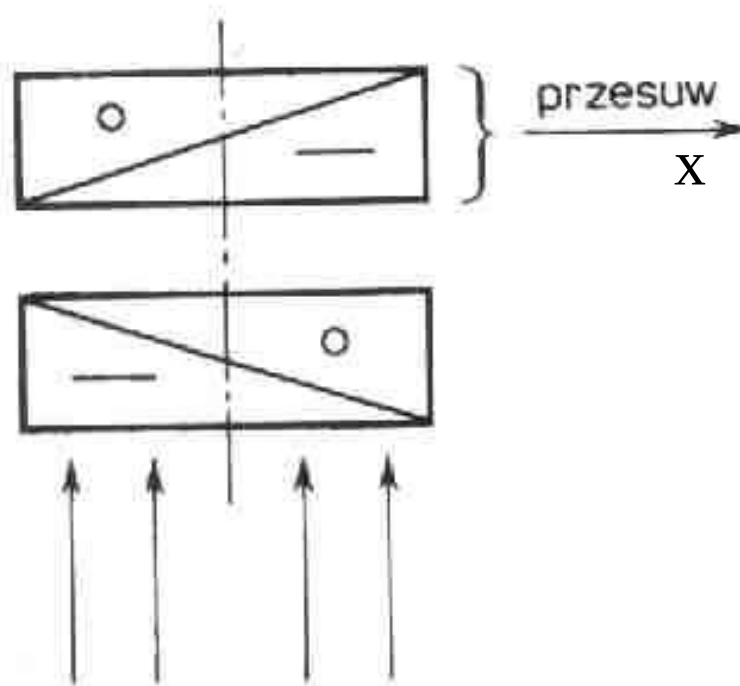


Kompensator Soleila



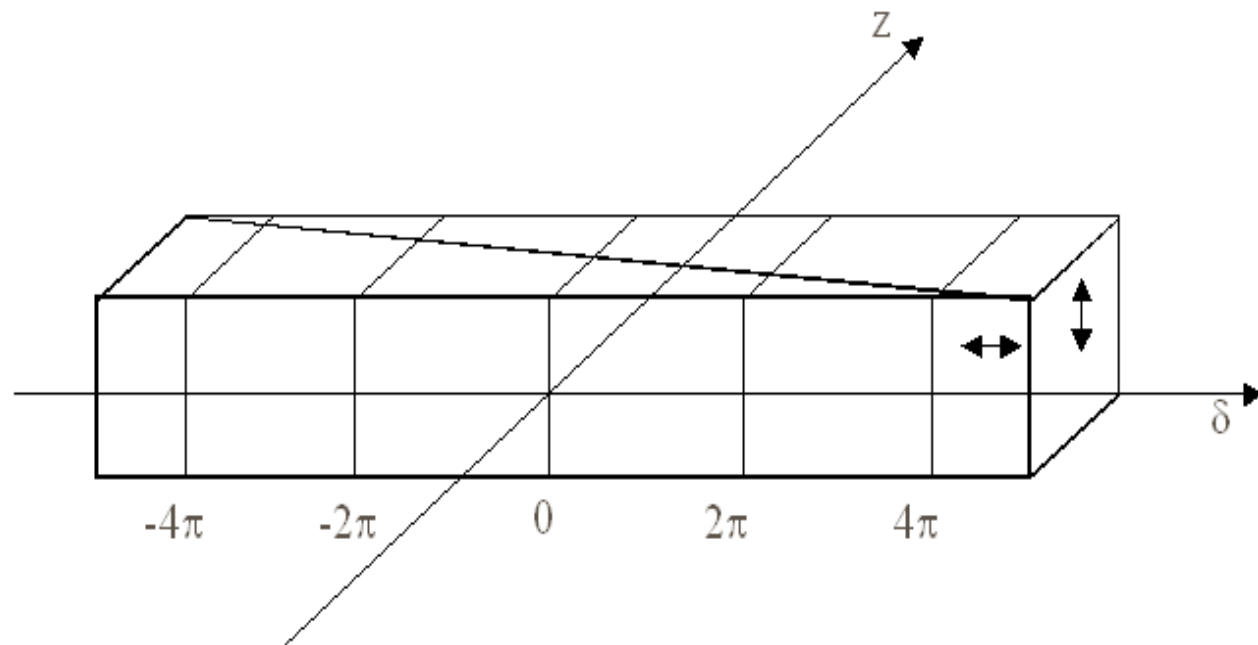
$$\gamma_K = \gamma_K(x)$$

Kompensator Bravais

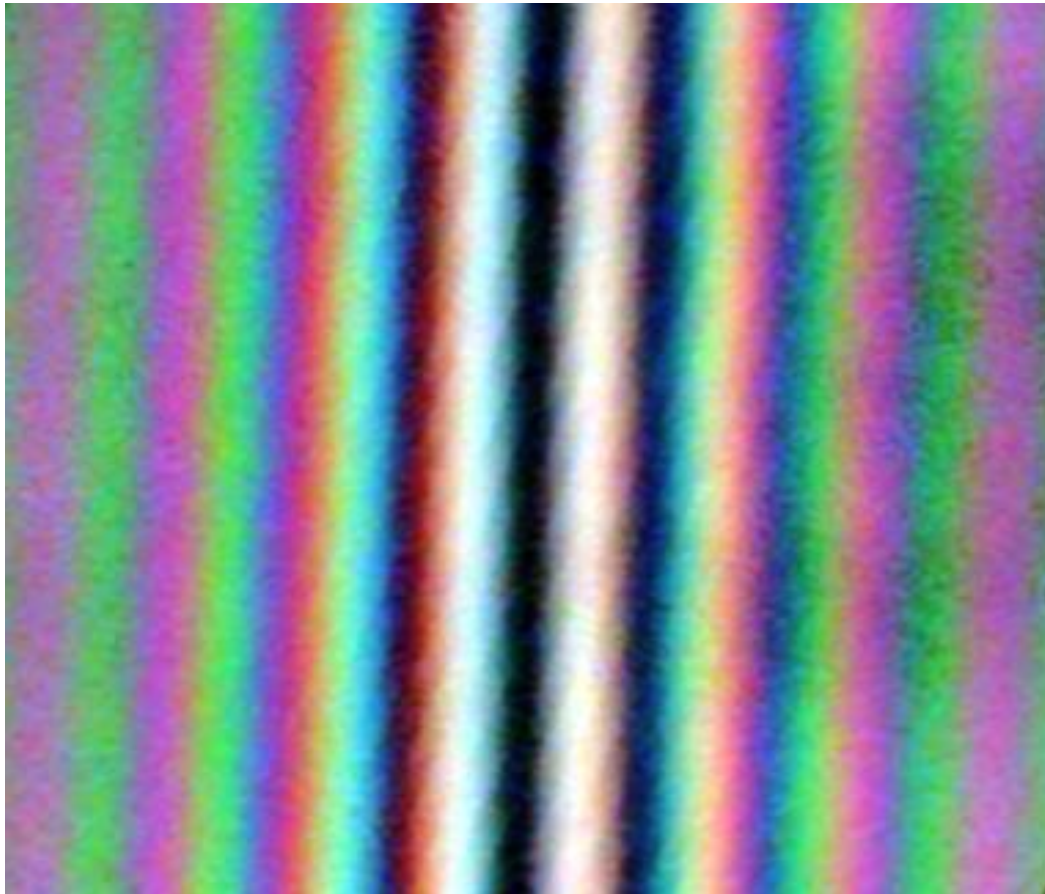


$$\gamma_K = \gamma_K(x)$$

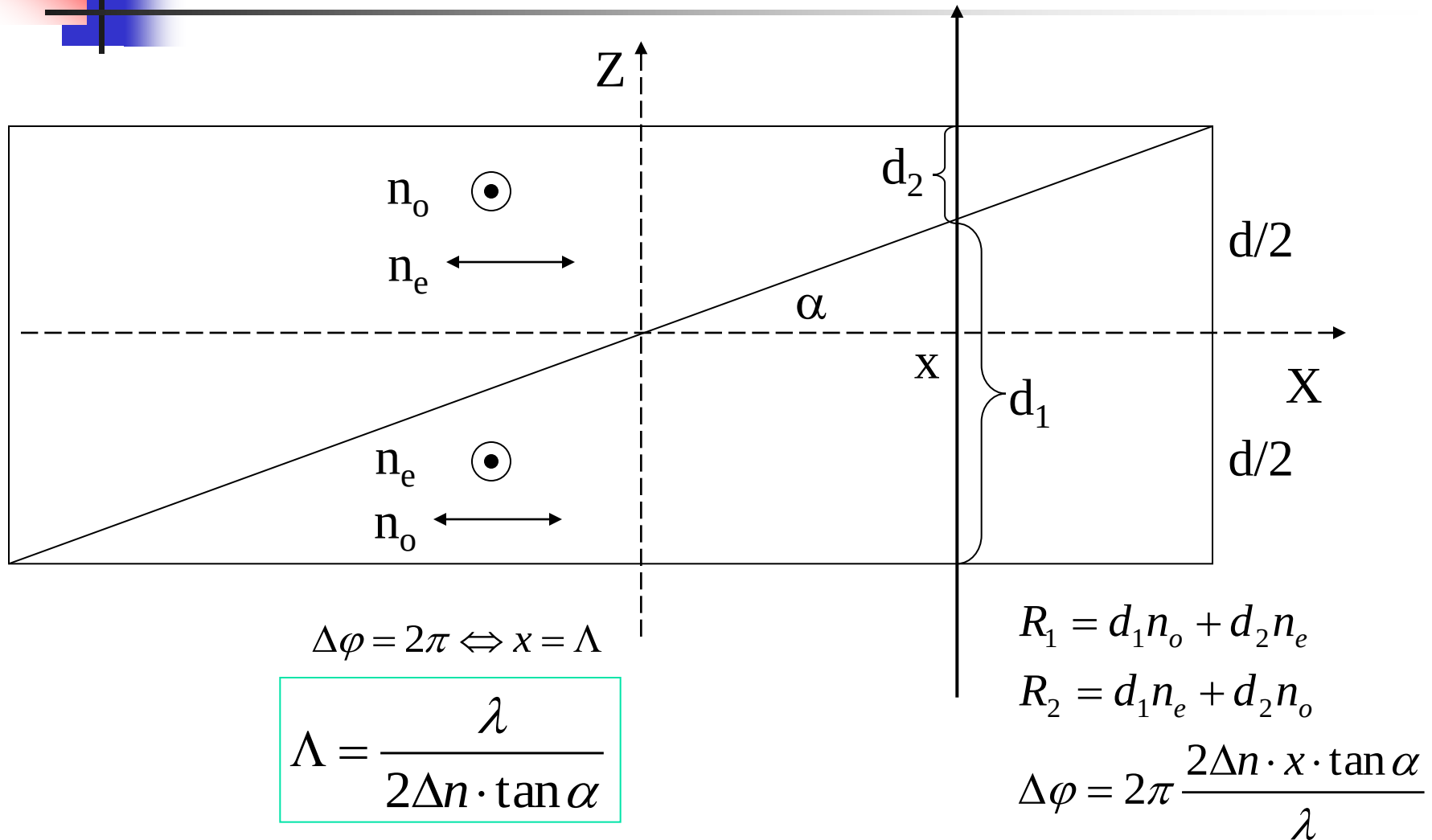
Kompensator Wollastona

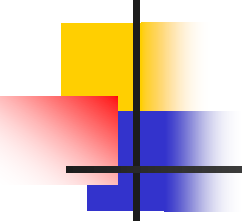


Kompensator Wollastona



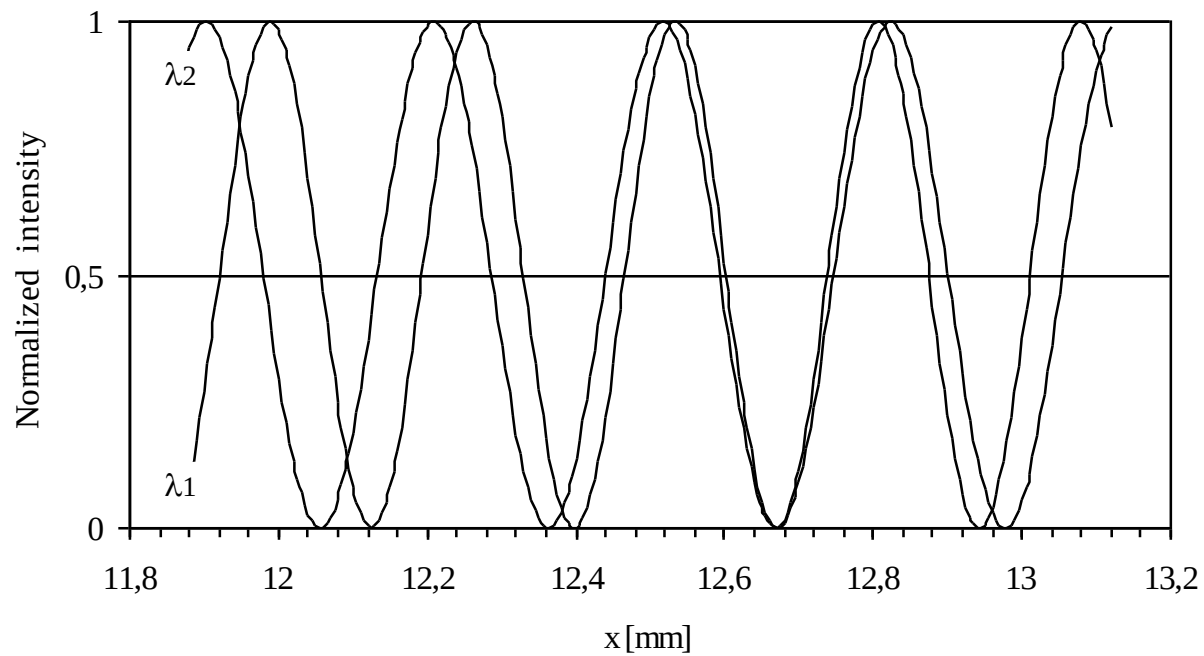
Kompensator Wollastona



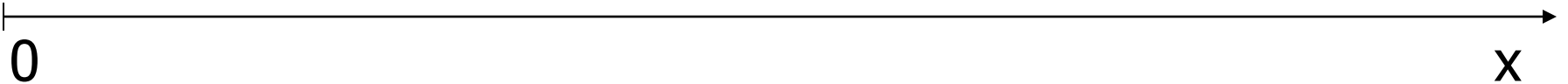
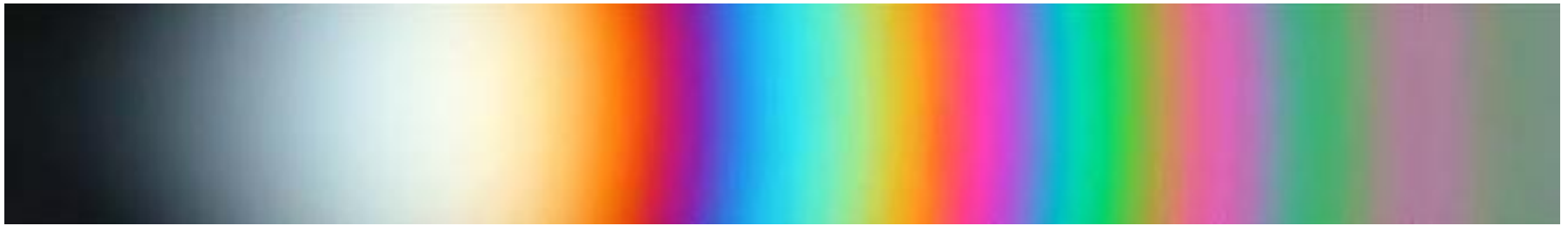
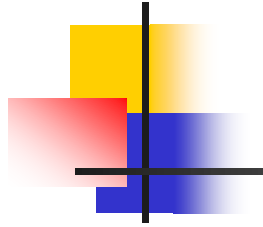


Kompensator Wollastona

dwie długości fal

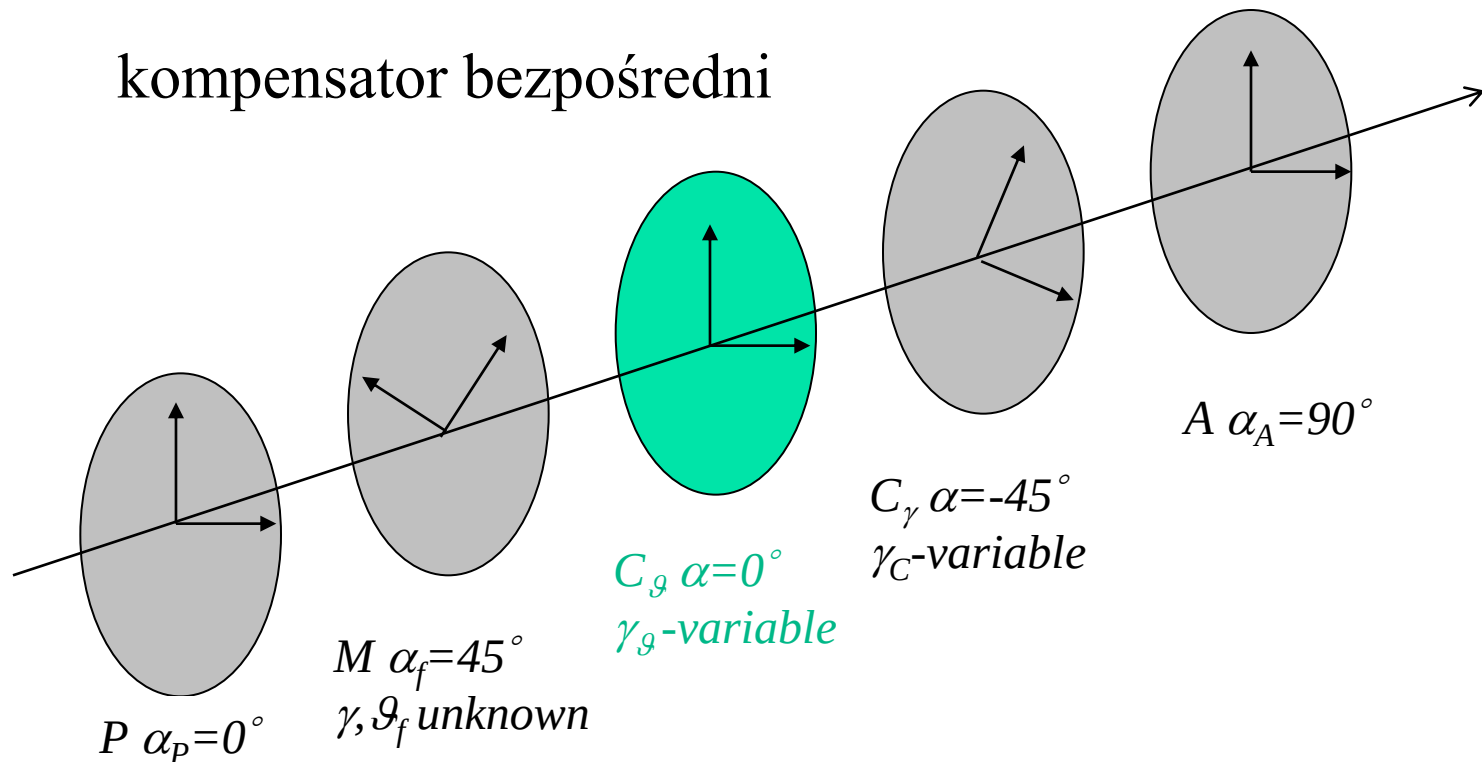


Kompensator bezpośredni *- światło białe*

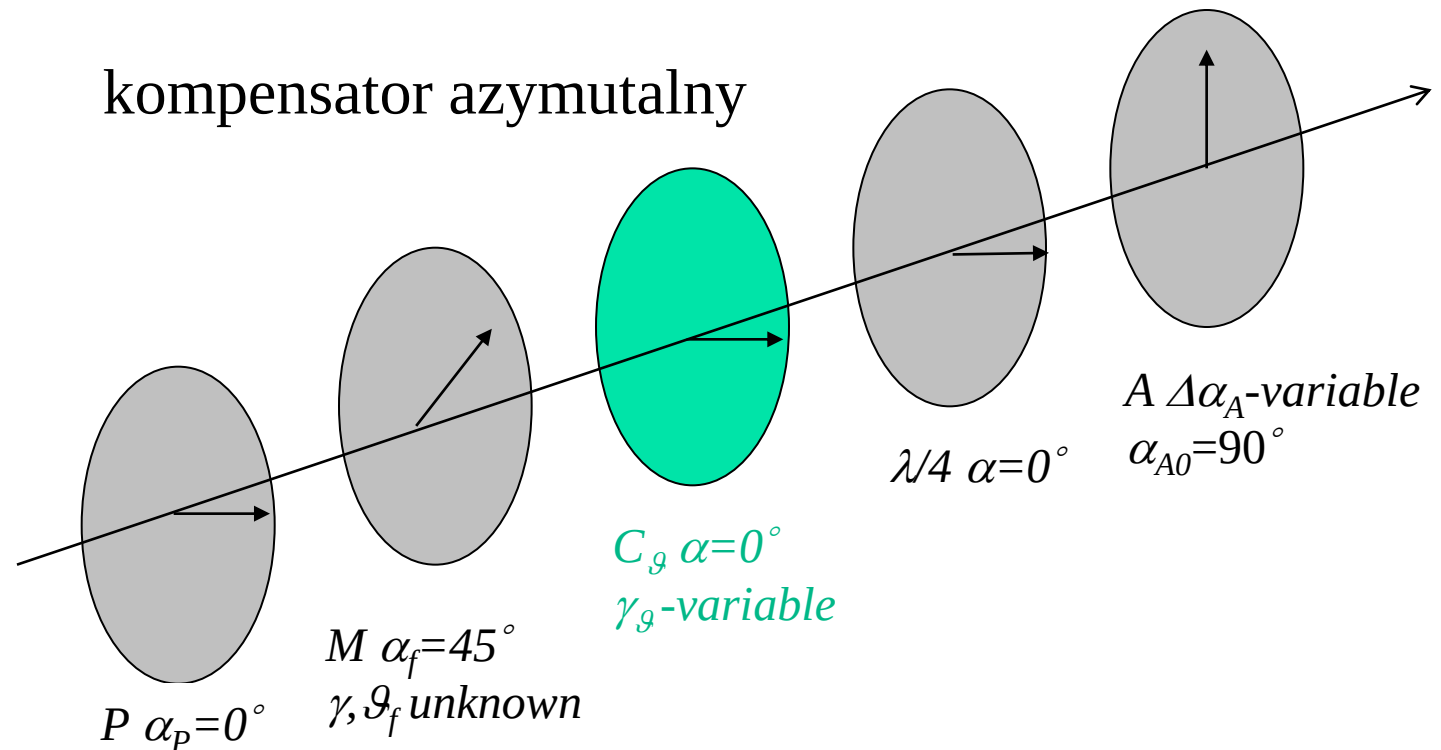


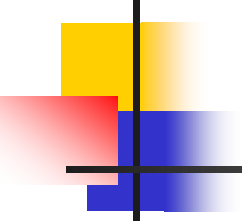
Kompensatory a ośrodki eliptycznie dwójłomne

kompensator bezpośredni



Kompensatory a ośrodki eliptycznie dwójłomne





Kompensatory a ośrodki eliptycznie dwójłomne

$$I_{out}(\gamma, \vartheta_f; \gamma_g; X) \propto 1 - \cos \gamma \cdot \cos X - \sin \gamma \cdot \sin X \cdot \cos(2\vartheta_f - \gamma_g)$$

$X = \gamma_K$ - kompensator bezpośredni

$X = 2\Delta\alpha_A$ - kompensator azymutalny

Dwa kompensatory:

- kompensator eliptyczności
- kompensator różnicy faz

$$\gamma_g = 2\vartheta_f$$

$$X = \gamma$$

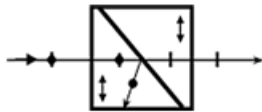
Kompensator Senarmonta dla ośrodków eliptycznie dwójłomnych



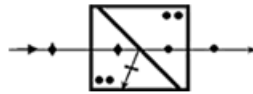
$$C(0^\circ, \gamma_g) + \frac{\lambda}{4}(0^\circ) \rightarrow C(0^\circ, 90^\circ + \gamma_g)$$

$$P(0^\circ) \rightarrow M(45^\circ) \rightarrow C(0^\circ, 90^\circ + 2\mathcal{G}_f) \rightarrow A(\Delta\alpha)$$

Pryzmaty polaryzujące



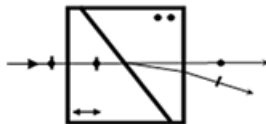
Glan-Taylor
Polarizing Prism



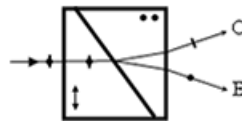
Glan-Foucault Prism



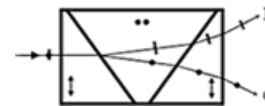
Glan-Thompson Prism



Rochon Polarizing Prism

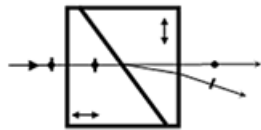


Wollaston
Polarizing Prism

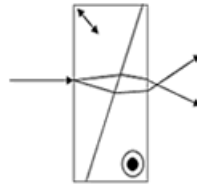


Double Wollaston
Polarizing Prism

Pryzmaty polaryzujące



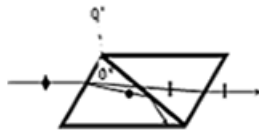
Senarmont Prism



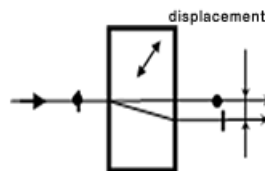
Nomarski Prism



Lippich Prism

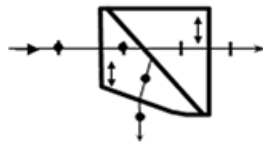


Nicol Prism

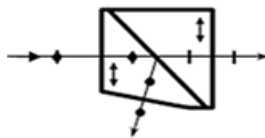


Parallel Polarizing Splitter

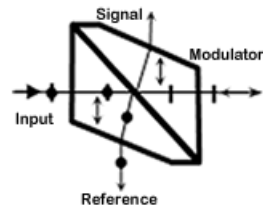
Pryzmaty polaryzujące



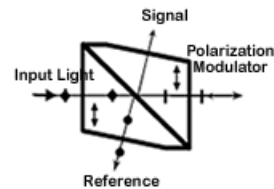
90 deg. Polarizing Splitter
(Single Side Window)



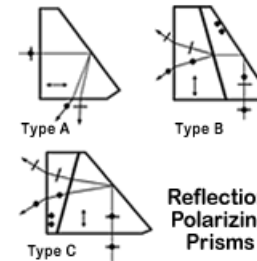
OE Double-Output Prism
(Single Side Window)



90 deg. Polarizing Splitter
(Dual Side Windows)



OE Double-Output Prism
(Dual Side Windows)



Reflection
Polarizing
Prisms