

Interferens

Youngs dubbelspalt

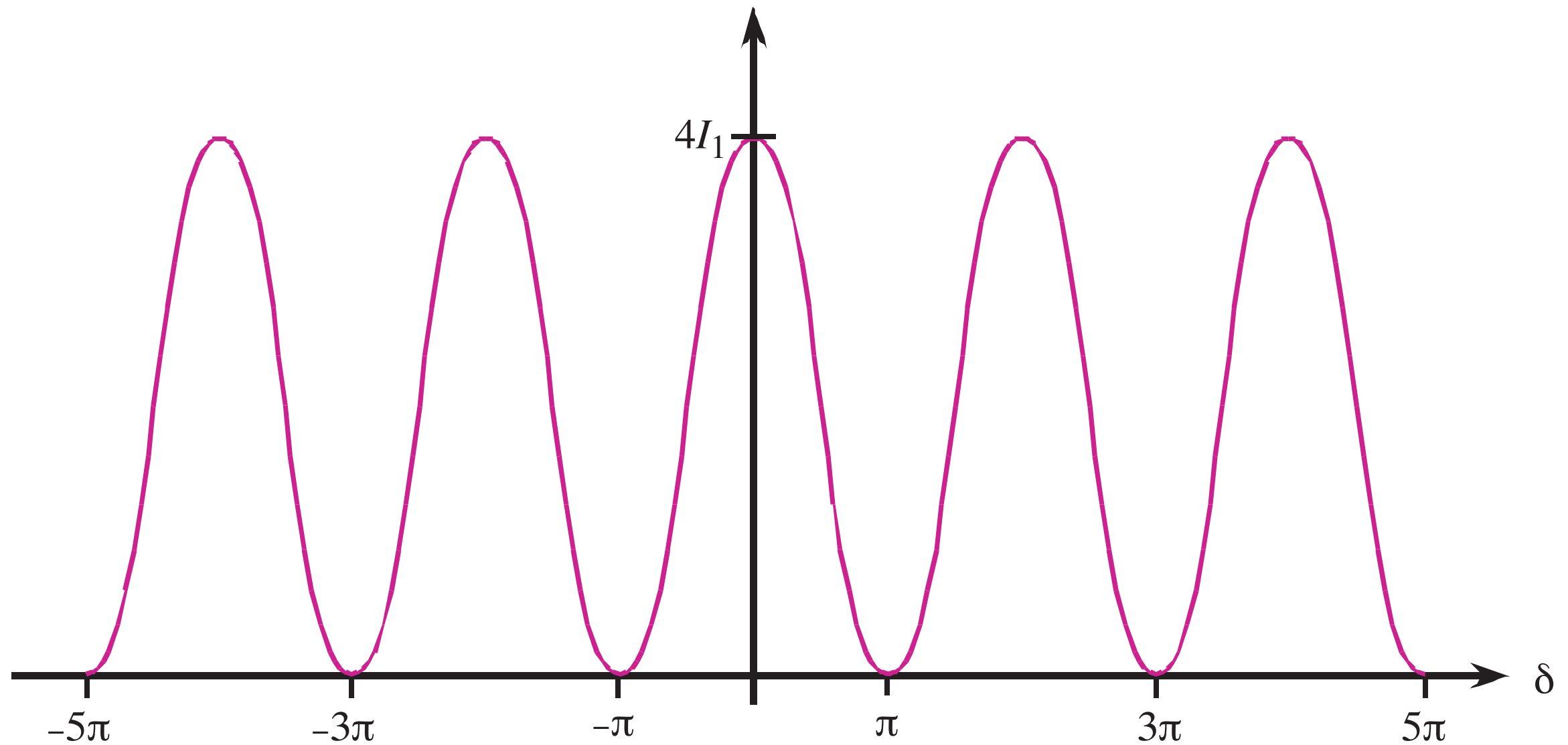
Interferenzmuster

$$I_1 = I_2$$



$$I_{\max} = I_1 + I_2 + \sqrt{2I_1I_2} = 4I_1$$

$$I_{\max} = I_1 + I_2 - \sqrt{2I_1I_2} = 0$$



Interferensmönster - minskad visibilitet

$$I_1 > I_2$$



$$I_{\max} = I_1 + I_2 + \sqrt{2I_1I_2} < 4I_1$$

$$I_{\max} = I_1 + I_2 - \sqrt{2I_1I_2} > 0$$

