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Visibility (contrast)

D = Dispersion Domain:

$$\Delta\lambda_D = \frac{n\lambda^2}{n^2\lambda - 4\eta d^2 \frac{d\eta}{d\lambda}} \quad (1)$$

$$|\Delta\lambda_D| = \frac{\lambda^2}{2\eta d \cdot \cos(\beta)} \quad (2)$$

Visibility, Contrast:

$$\mathcal{V}_D = \frac{\mathcal{I}_{A_t,max} - \mathcal{I}_{A_t,min}}{\mathcal{I}_{A_t,max} + \mathcal{I}_{A_t,min}} = \frac{\mathcal{I}_{\beta,max} - \mathcal{I}_{\beta,min}}{\mathcal{I}_{\beta,max} + \mathcal{I}_{\beta,min}} = \frac{1 - \frac{1}{1+\mathcal{F}}}{1 + \frac{1}{1+\mathcal{F}}} = \frac{\mathcal{F}}{2+\mathcal{F}} \quad (3)$$