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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:

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