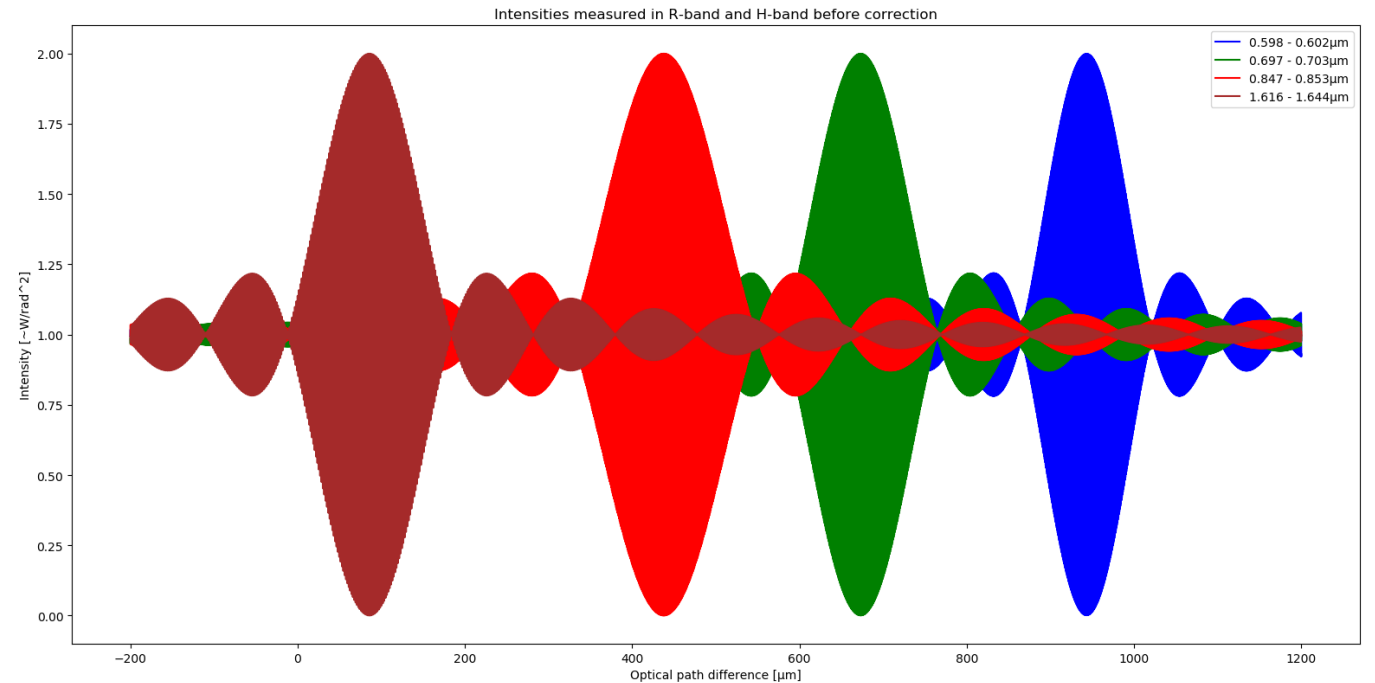
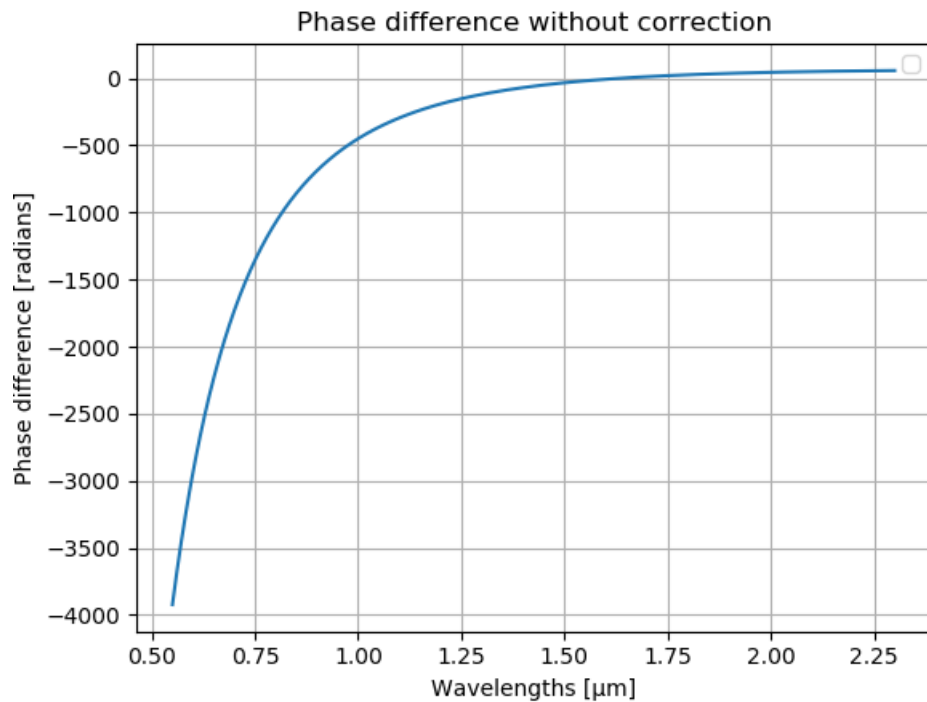
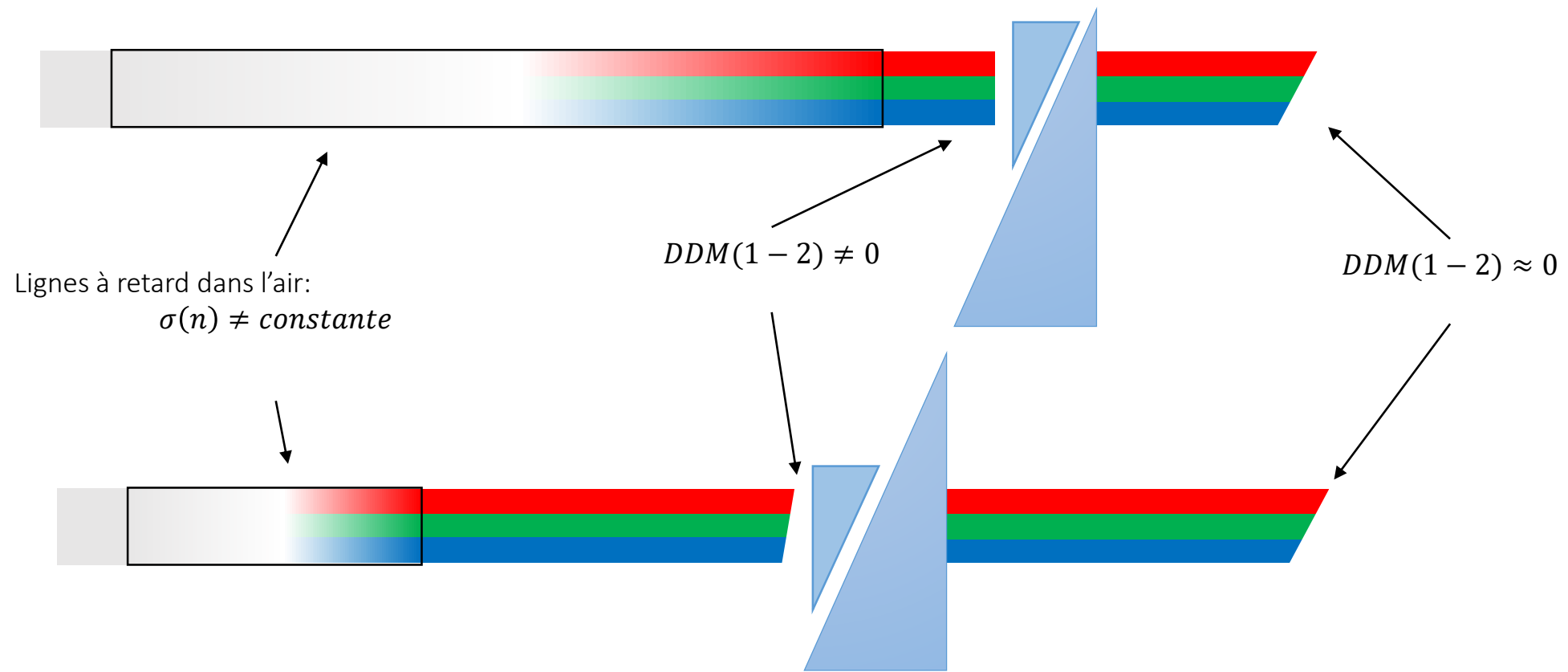


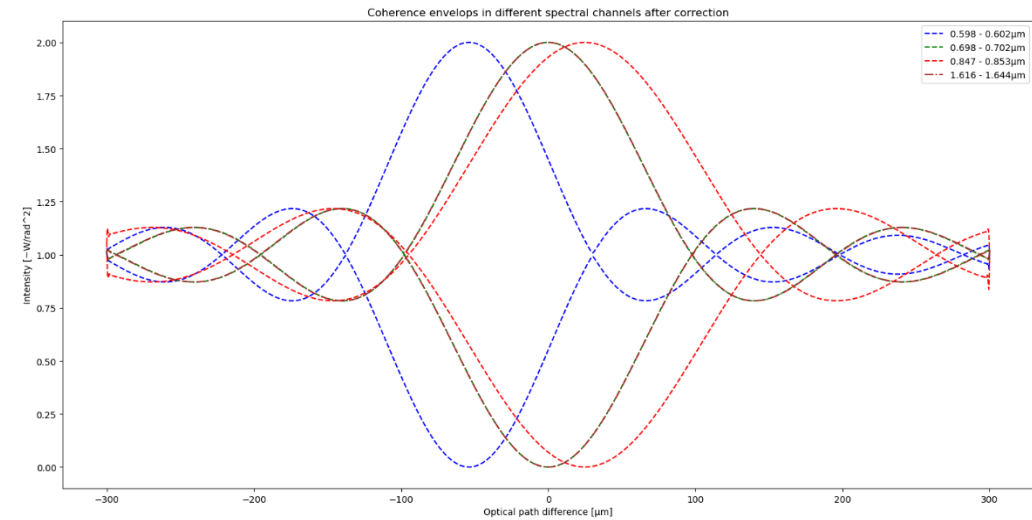
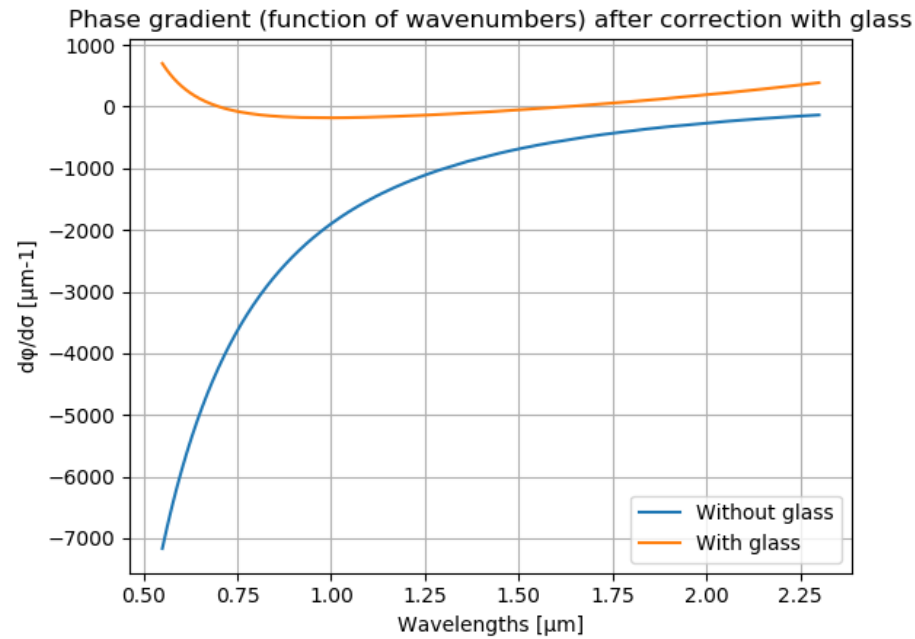
Compensation of longitudinal chromatism





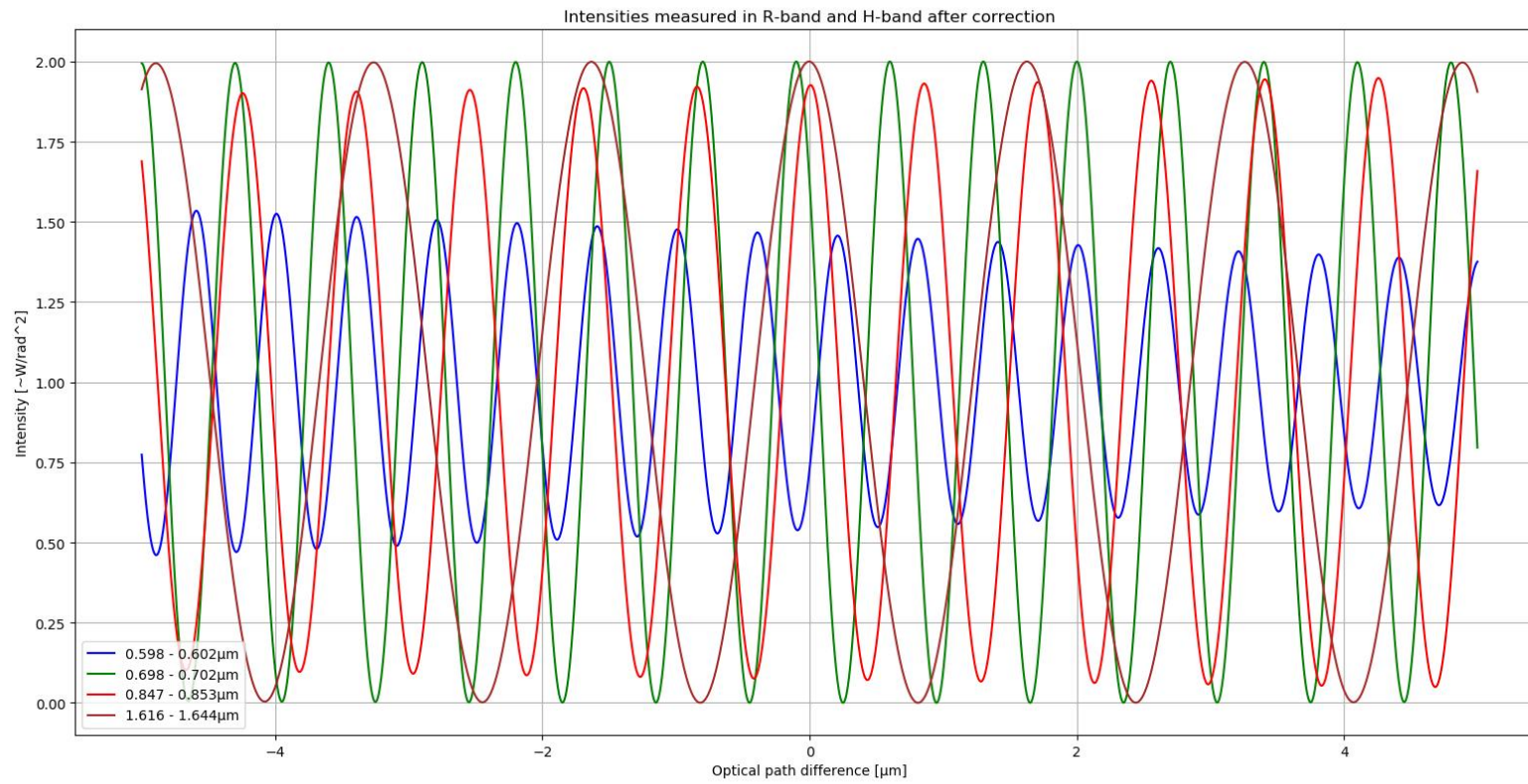
Correction with one glass

Correction of OPD H-R



Correction with one glass

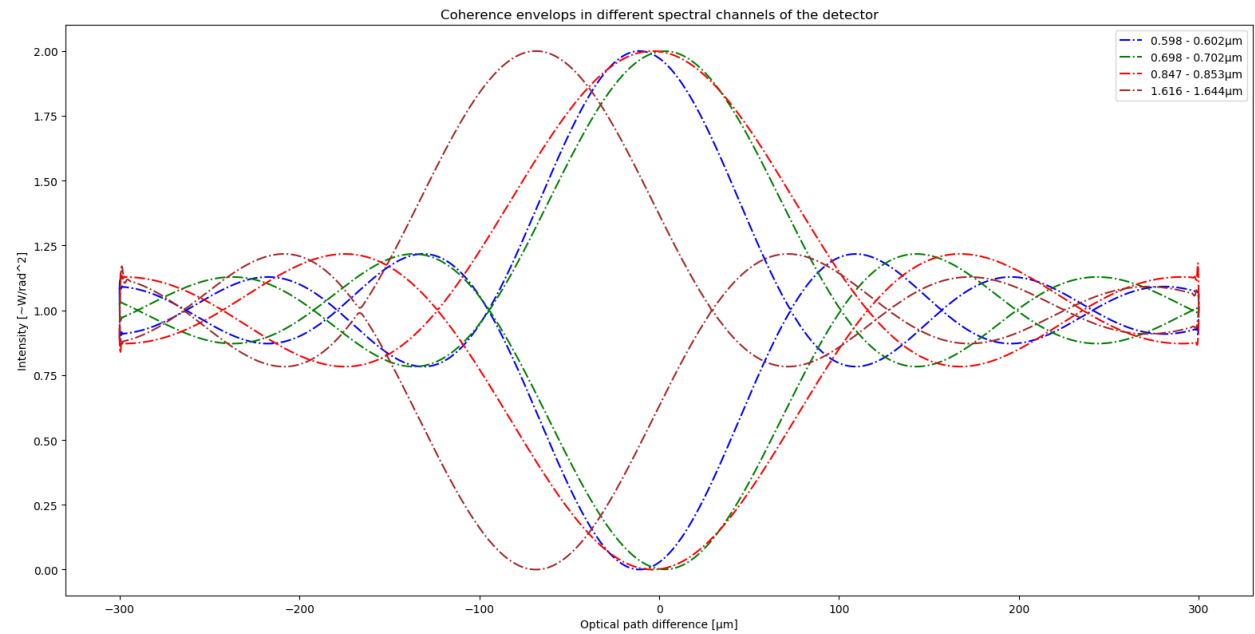
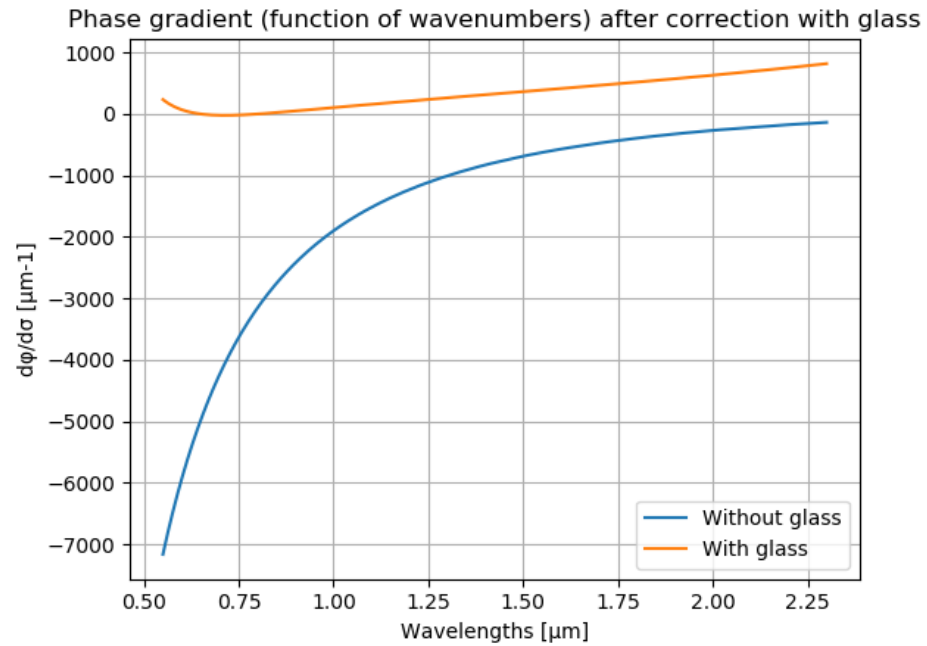
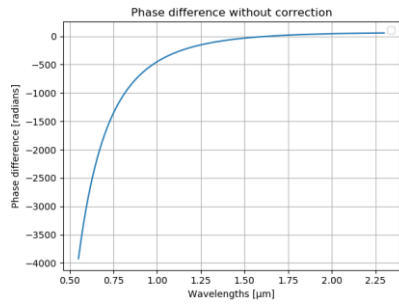
Correction of OPD H-R



Bad contrast in
short wavelength

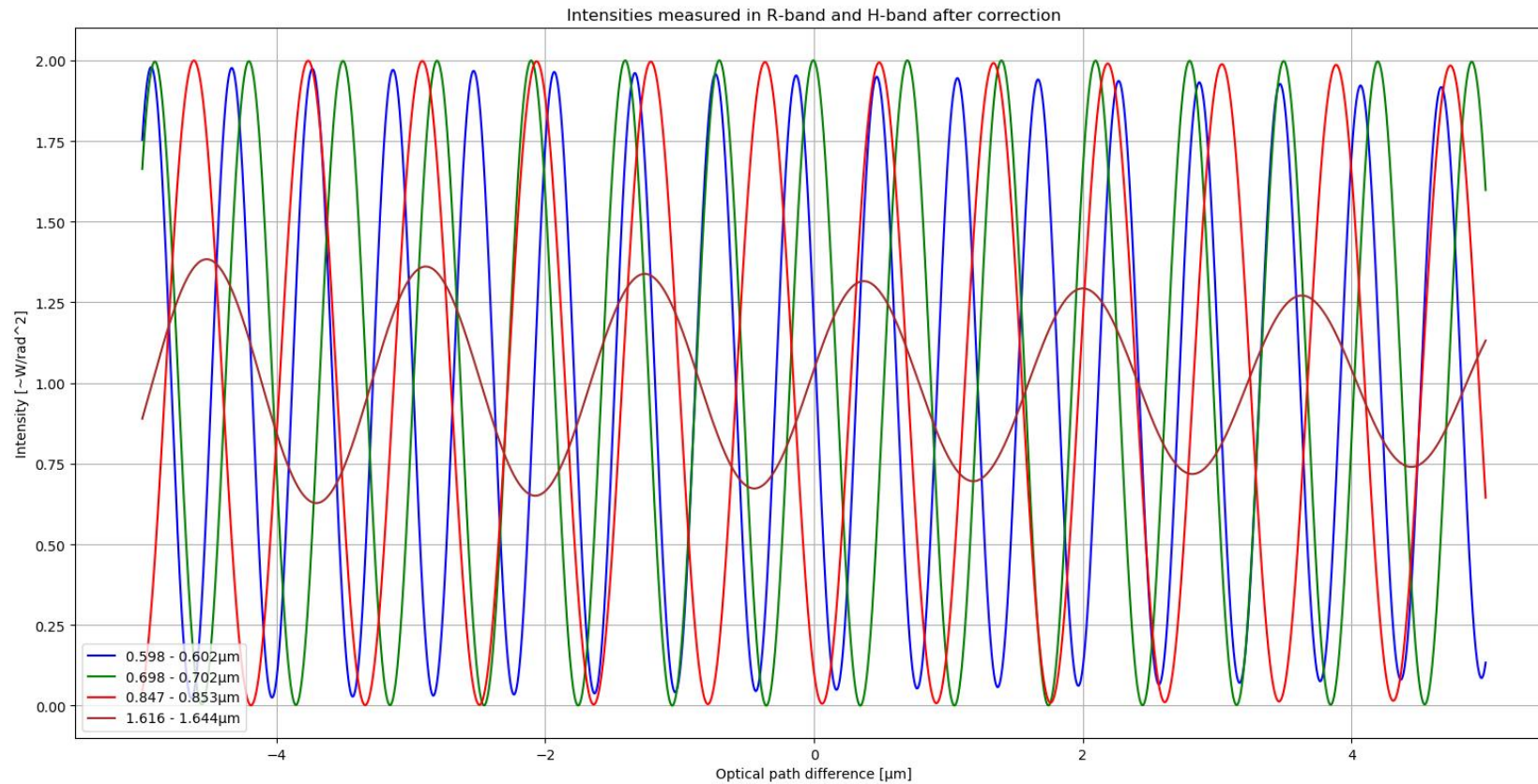
Correction with one glass

Correction of dispersion in R-band



Correction with one glass

Correction of dispersion in R-band



Good contrast in science but low contrast in tracking

Phase limited development

$$\sigma X(\sigma) = \bar{\sigma} X(\bar{\sigma}) + \left(x_0 + \sum_{i=1}^3 \frac{d(\sigma n_i)}{d\sigma} (\bar{\sigma}) x_i \right) * s + \sum_{k=2}^{\infty} \left(\frac{1}{k!} \sum_{i=1}^3 \left(\frac{d^k(\sigma n_i)}{d\sigma^k} (\bar{\sigma}) x_i \right) * s^k \right)$$

→ SVD ?

$$\sigma X(\sigma) = \bar{\sigma} X(\bar{\sigma}) + (x_0 + \mathbf{b}_1 \cdot \mathbf{x})s + (\mathbf{b}_2 \cdot \mathbf{x})a_2(\sigma) + (\mathbf{b}_3 \cdot \mathbf{x})a_3(\sigma) + \dots$$