Non-linearity: $f = x - \beta x^2$
Gaussian ($\sigma = 0.1''$) * Pixel (0.11 arcsec/pix), no noise.

H158 (1.577 μm)

e=(0, 0)
e=(0.05, 0)
e=(0.05, 0.05)

Δe

Nonlinearity parameter β

H158 (1.577 μm)

1e-4
e=(0, 0)
e=(0.05, 0)
e=(0.05, 0.05)

ΔR/R

Nonlinearity parameter β