Non-linearity: $f = x - \beta x^2$
OpticalPSF (tel_diam=2.4 m, obscuration=0.3) * Pixel (0.11 arcsec/pix), no noise.

Legend:
- Z087
- Y106
- J129
- W149
- H158
- F184

x-axis: mag_object
y-axis: $\Delta R/R/\beta$