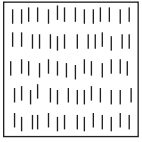
Input

For each exposure, n, a list of calibration line positions, x, with known wavelength, λ, and echelle order, m.

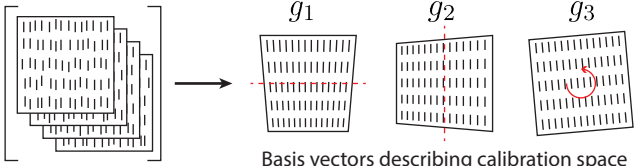


Output

Full wavelength model for $x(\lambda, m, n)$

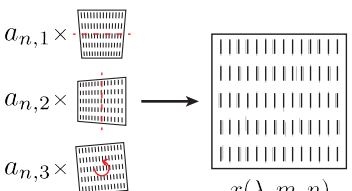
$$g_0(\lambda, m) + \sum_{k=1}^{K} a_{nk}\, g_k(\lambda, m)$$

1. Dimensionality Reduction and Denoising



Basis vectors describing calibration space

2. Find Calibration State for n



3. Interpolate