RDI Data $I=I_*+I_C$ $\{R_1, R_2,\}$ Reference Images Target Image (star + disk light) (starlight only) Conventional RDI PI-Constrained RDI Use disk PI to est. its total intensity Build a model (\mathcal{M}) of the starlight in I as the linear combo of $\{R_1, R_2, ...\}$ that... ... best matches $I-I_C^0$: ... best matches I: $\mathcal{M}(I-I_C^0, \mathcal{R})$ $\mathcal{M}(I,\mathcal{R})$ Subtract model from data: $I_r = I - \mathcal{M}$ (ideal result) RDI result **PCRDI** result L_{C} Oversubtraction Fitting to I– I_C^0 provides a better from fitting starlight (R) to star+disk light (I)model of I_* $I_r \sim I_C$ $I_r < I_C$