

# $z$ -band Mass Step:

Extinguished-

Distances:  $\gamma_z = -0.068 \pm 0.033$  mag

Single  $R_V$ :  $\gamma_z = -0.086 \pm 0.027$  mag

Split  $R_V$ :  $\gamma_z = -0.055 \pm 0.028$  mag

for  $\log_{10}(\mathcal{M}_*/\mathcal{M}_\odot) = 10.0$

For comparison to the optical:

Single  $R_V$ :  $\gamma_{gri} = -0.088 \pm 0.026$  mag

Split  $R_V$ :  $\gamma_{gri} = -0.056 \pm 0.027$  mag

