

z-band Mass Step:

No Dust Correction:

$$\gamma_z = -0.072 \pm 0.034 \text{ (stat)} \pm 0.011 \text{ (sys) mag}$$

Single R_V :

$$\gamma_z = -0.105 \pm 0.030 \text{ (stat)} \pm 0.008 \text{ (sys) mag}$$

Split R_V :

$$\gamma_z = -0.086 \pm 0.031 \text{ (stat)} \pm 0.008 \text{ (sys) mag}$$

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

For comparison to the optical:

Single R_V

$$\gamma_{gri} = -0.117 \pm 0.028 \text{ (stat)} \pm 0.009 \text{ (sys) mag}$$

Split R_V

$$\gamma_{gri} = -0.088 \pm 0.028 \text{ (stat)} \pm 0.008 \text{ (sys) mag}$$

