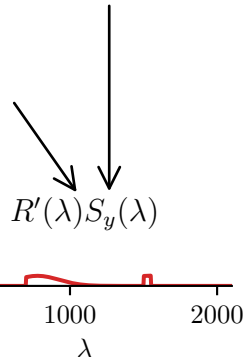
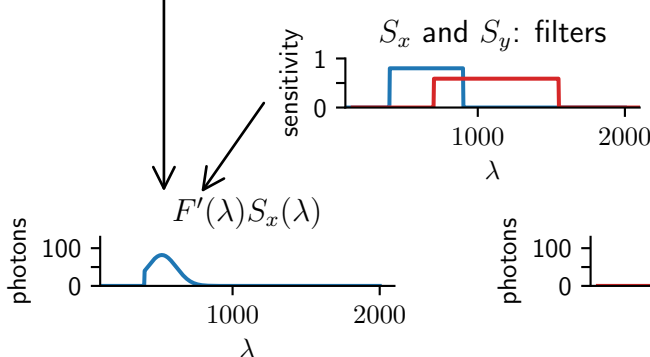
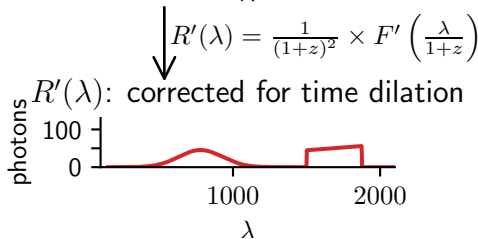
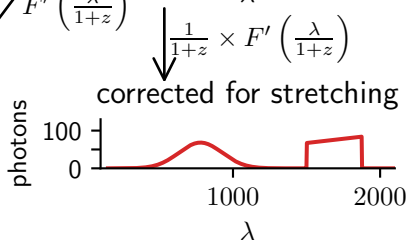
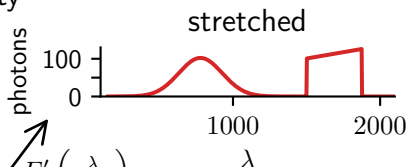
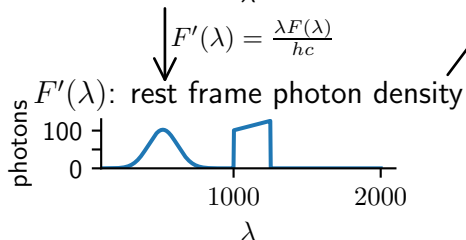
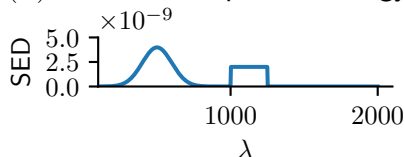


Calculating $\frac{\mathcal{F}_x}{\mathcal{F}_y}$, the ratio of rest frame to observation frame counts for $z = 0.5$

$F(\lambda)$: rest frame spectral energy density



$$\frac{\mathcal{F}_x}{\mathcal{F}_y} = \frac{\int F'(\lambda) S_x(\lambda) d\lambda}{\int R'(\lambda) S_y(\lambda) d\lambda} = \frac{17928.35}{8293.36} = 2.16$$