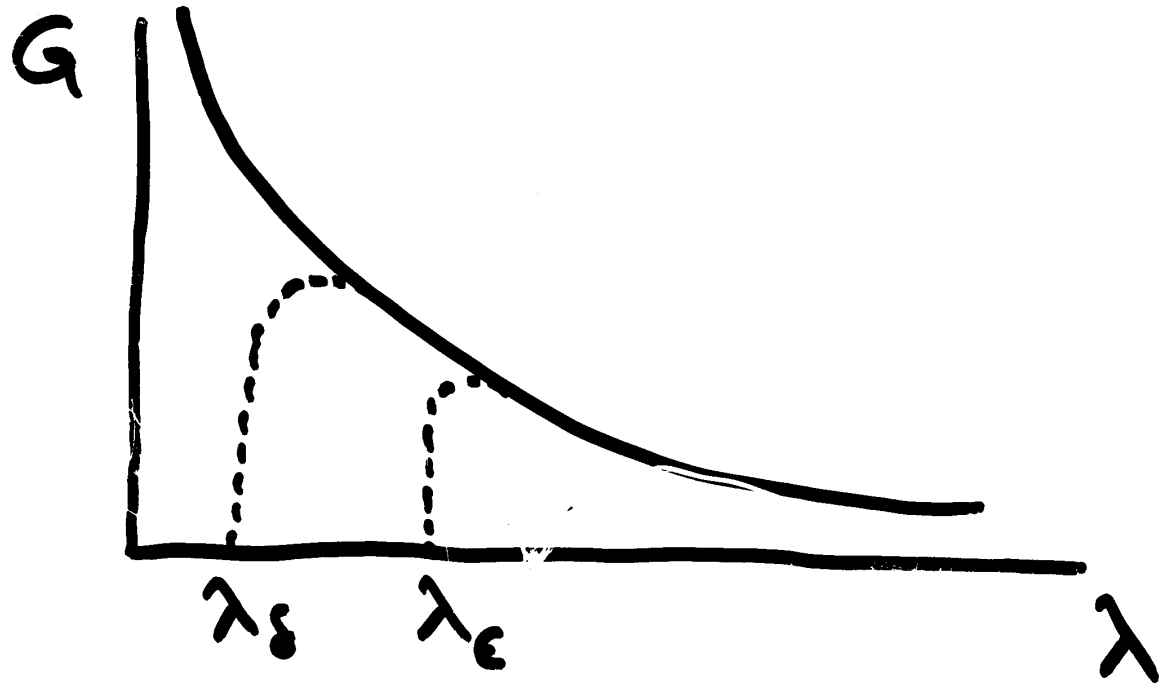

$$\lambda_\delta \sim 2\pi R_{56}\,\delta = 2\pi\,(0.1)(10^{-5})$$

$$\boxed{\sim 6\,\mu m}$$

$$\lambda_\epsilon \sim 2\pi\left(\frac{\sigma_x^f}{\sigma_x^i}\right)\sqrt{\epsilon\beta}\;\theta_{bend}$$

$$= \frac{2\pi}{4}\sqrt{\frac{3\times10^{-6}}{140}}\;0.2$$

$$\boxed{\approx 40\,\mu m}$$

λ observed $\approx$ 50-60 μm