

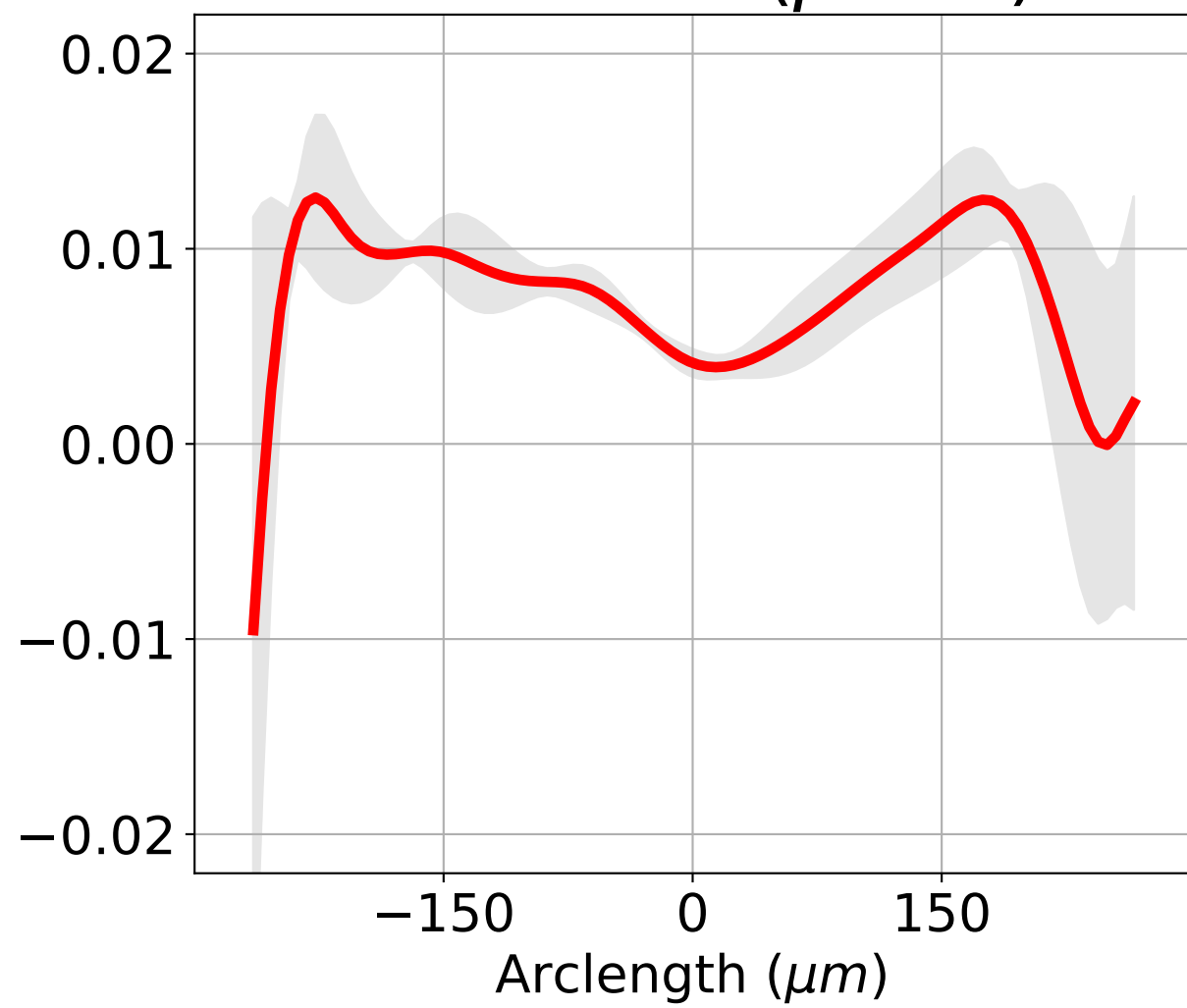
Curvature ( $\mu m^{-1}$ )

Figure 1 is a line graph showing the variation of the normalized intensity of the first-order diffraction peak,  $I_1/I_0$ , as a function of the arclength,  $\text{Arclength } (\mu\text{m})$ . The x-axis ranges from -200 to 200  $\mu\text{m}$ , and the y-axis ranges from -0.02 to 0.02. The curve is red, showing a minimum around -175  $\mu\text{m}$  and a maximum around 0  $\mu\text{m}$ . A grey shaded region indicates the uncertainty.

Figure 1 is a line graph showing the normalized intensity profile of the fundamental mode of a tapered fiber. The x-axis is labeled "Arc length ( $\mu\text{m}$ )" and ranges from -200 to 200, with major ticks at -150, 0, and 150. The y-axis is labeled "Normalized intensity" and ranges from -0.02 to 0.02, with major ticks at -0.02, -0.01, 0.00, 0.01, and 0.02. A red curve represents the intensity profile, which is symmetric about  $x=0$  and peaks at approximately 0.014. A light gray shaded region around the curve indicates the standard deviation.