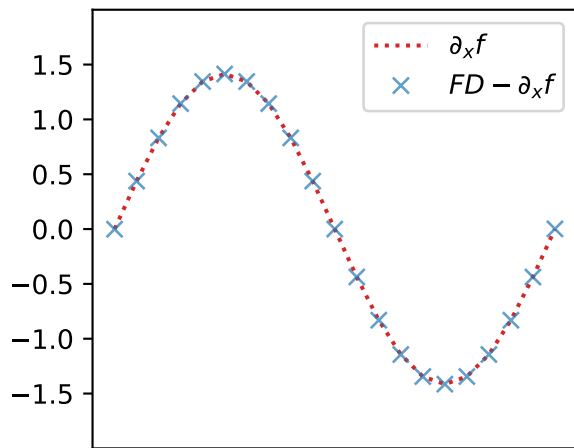


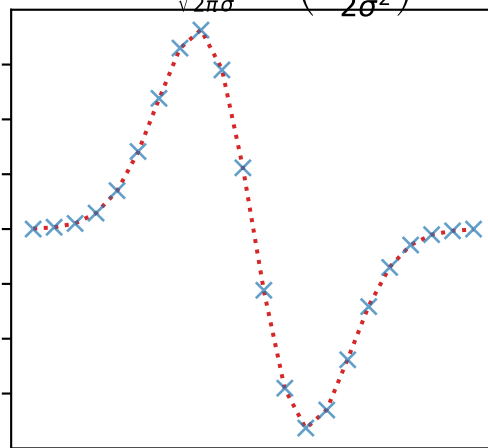
1st derivative

$$f(x) = A \cos(kx)$$



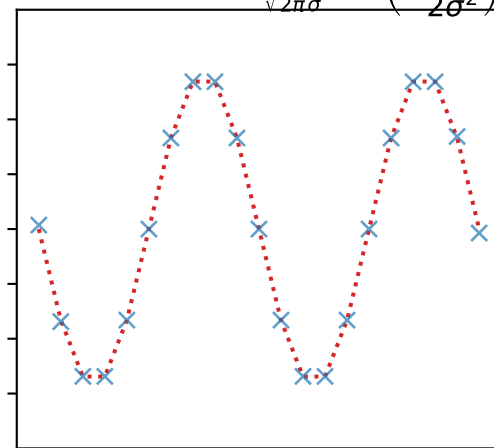
21 grid points per wavelength

$$f(x) = \frac{1}{\sqrt{2\pi}\sigma} \exp\left(-\frac{x^2}{2\sigma^2}\right)$$



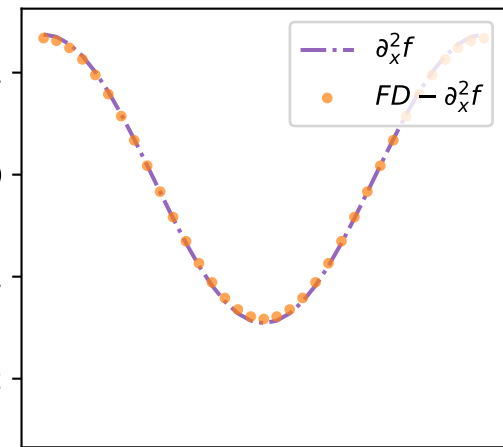
22 grid points per wavelength

$$f(x) = A \cos(kx) + \frac{1}{\sqrt{2\pi}\sigma} \exp\left(-\frac{x^2}{2\sigma^2}\right)$$

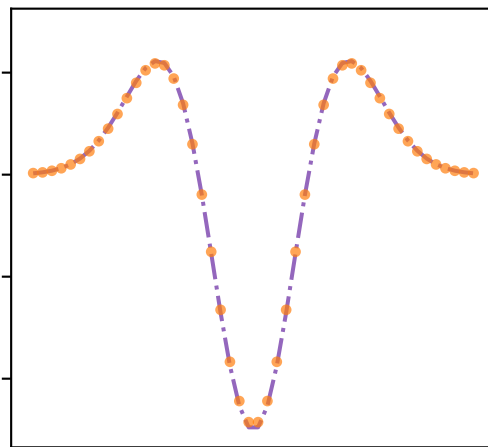


21 grid points per wavelength

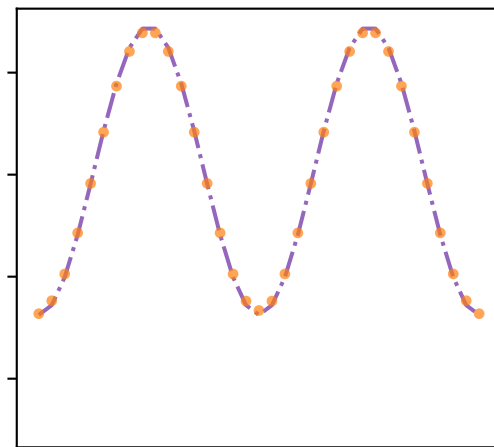
2nd derivative



35 grid points per wavelength



48 grid points per wavelength



35 grid points per wavelength