$XY := \text{rkfixed}(0, 0, 2\cdot\pi, 3, D(x, y) := \cos(x))$

$\text{appVersion}(4) = \text{"0.99.7921.69"}$

$X := \text{col}(XY, 1) = \begin{bmatrix} 0 \\ 2.094 \\ 4.189 \\ 6.283 \end{bmatrix}$ $Y := \text{col}(XY, 2) = \begin{bmatrix} 0 \\ 0.873 \\ -0.873 \\ 9.992\cdot10^{-16} \end{bmatrix}$

⊞— interp()

⊞— lspline()

⊞— pspline()

⊞— cspline()

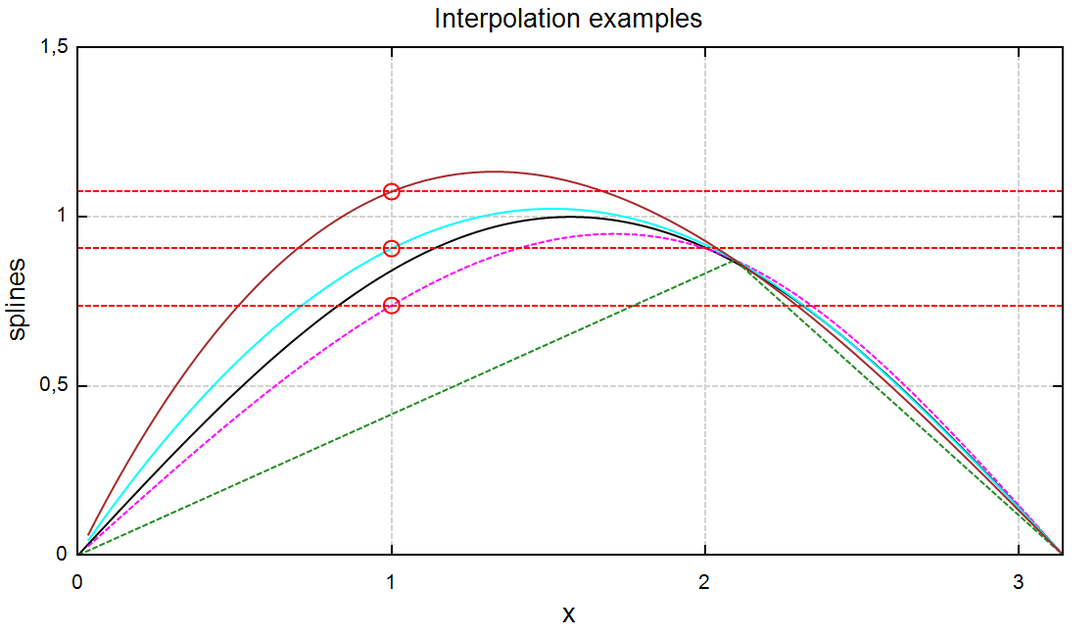
Linear interpolation: $y_{li}(x) := \text{linterp}(X, Y, x)$

$y_{ls}(x) := interp(lspline(X, Y), X, Y, x)$ - cubic spline linear at the endpoint (natural)

$y_{ps}(x) := interp(pspline(X, Y), X, Y, x)$ - cubic spline parabolic at the endpoint

$y_{cs}(x) := interp(cspline(X, Y), X, Y, x)$ - cubic spline

$x_0 := 1$



$y_{cs}(x_0) = 1.075$

$y_{ps}(x_0) = 0.907$

$y_{ls}(x_0) = 0.738$

$\begin{bmatrix} \sin(x) \\ y_{li}(x) \\ y_{ls}(x) \\ y_{ps}(x) \\ y_{cs}(x) \\ y_{ls}(x_0) \\ y_{ps}(x_0) \\ y_{cs}(x_0) \end{bmatrix}$ $\begin{bmatrix} x_0 & y_{ls}(x_0) & \text{"○"} \\ x_0 & y_{ps}(x_0) & \text{"○"} \\ x_0 & y_{cs}(x_0) & \text{"○"} \end{bmatrix}$