

```

shape(nm, pp, lc, w, fc) := stack(nm, [pp], lc, "solid", w, fc)
y(t) := sin(3 · t)

fill :=
  N := 100
  Δt :=  $\frac{t_{\max} - t_{\min}}{N - 1}$ 
  x := [tmin, tmin + Δt .. (tmax + Δt)]
  pp := augment(x,  $\overrightarrow{y(x)}$ )
  pp := stack([tmin 0], pp, [tmax 0])
  sh := shape("polygon", pp, "#800000FF", 1, "#600000FF")
  [[sh]]

```

$[t_{\min} \ t_{\max}] := [-3.8 \ 1.5]$
 $labels := \begin{bmatrix} t_{\min} & 0 & \text{"tmin"} \\ t_{\max} & 0 & \text{"tmax"} \end{bmatrix}$
 $plot := \begin{cases} fill \\ y(t) \\ labels \end{cases}$

appVersion(4) = "0.99.6884.37264"

