Sawtooth Function

Generate 5 periods of a sawtooth wave with a frequency of 50 Hz and with a sample rate of 1 kHz.

$$T := 5\,(1/50)$$
$$Fs := 1000$$
$$dt := 1/Fs$$
$$t := curve2d(x, 0, T-dt, 400)$$
$$t0 := col2vec(t, 0)$$
$$x := sawtooth(2\,\pi \cdot 50\;t0)$$
$$a := join\ mat\ cols(t0, x)$$

Sawtooth