$$y(k \cdot T_i) = x\left(\left(m_k + \mu_k\right) \cdot T_s\right)$$

- $y(k \cdot T_i)$: new data - interpolator clock
- $x(\cdot)$: incoming Band Limited Data
- T_s: ADC clock, 2^+ samples/symbol

time delay $\tau_k = \mu_k \cdot T_s$

↑ "fractional delay"

μ_k determines the resolution of the time axis.

symbol timing synchronizer: