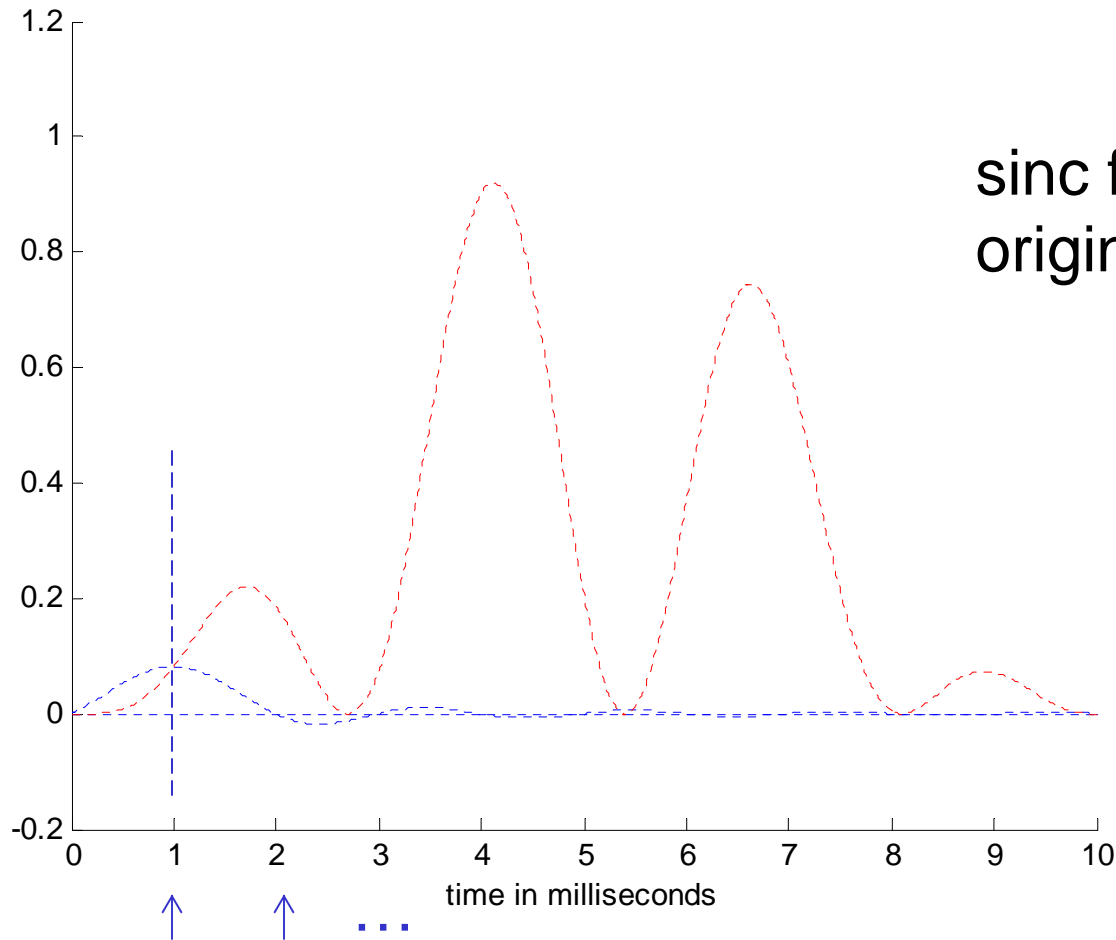


Demonstration of Reconstruction using sinc functions at $n = 0$ and 1

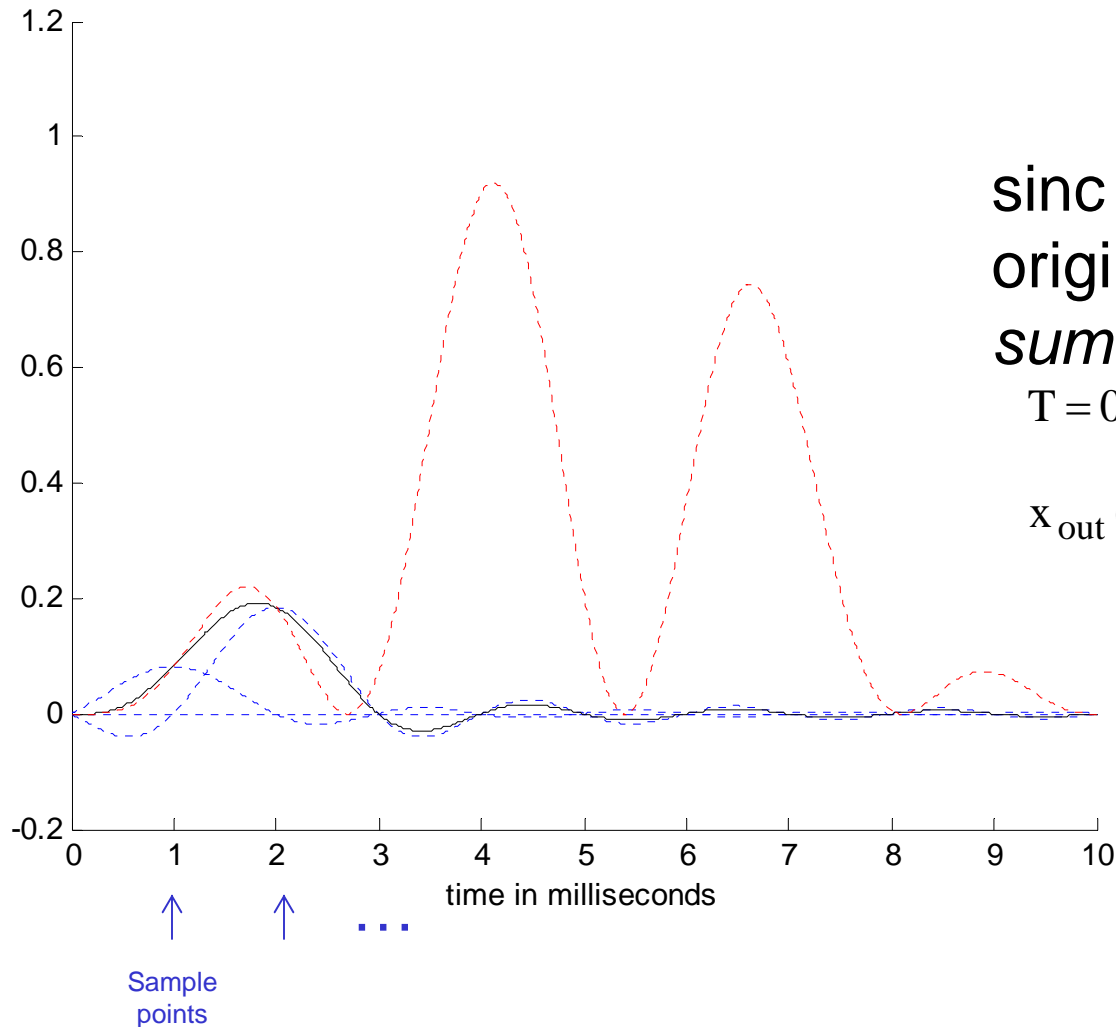


sinc functions in **blue**
original function in **red**

Sample
points



Demonstration of Reconstruction using sinc functions at $n = 0-2$



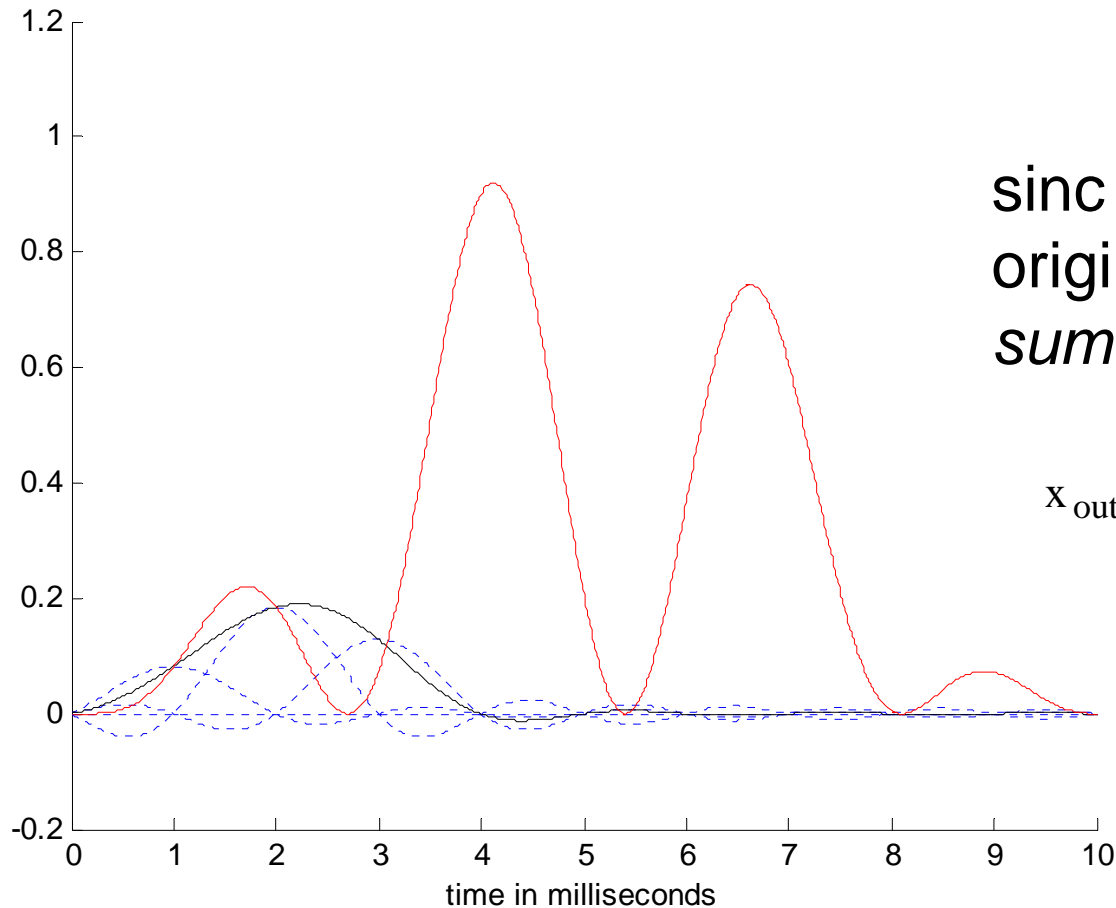
sinc functions in blue
original function in red
sum in **black**

$T = 0.001$ sec

$$x_{\text{out}}(t) = \frac{1}{T} \sum_{n=0}^2 x(nT) \operatorname{sinc} \frac{t - nT}{T}$$



Demonstration of Reconstruction using sinc functions at $n = 0-3$

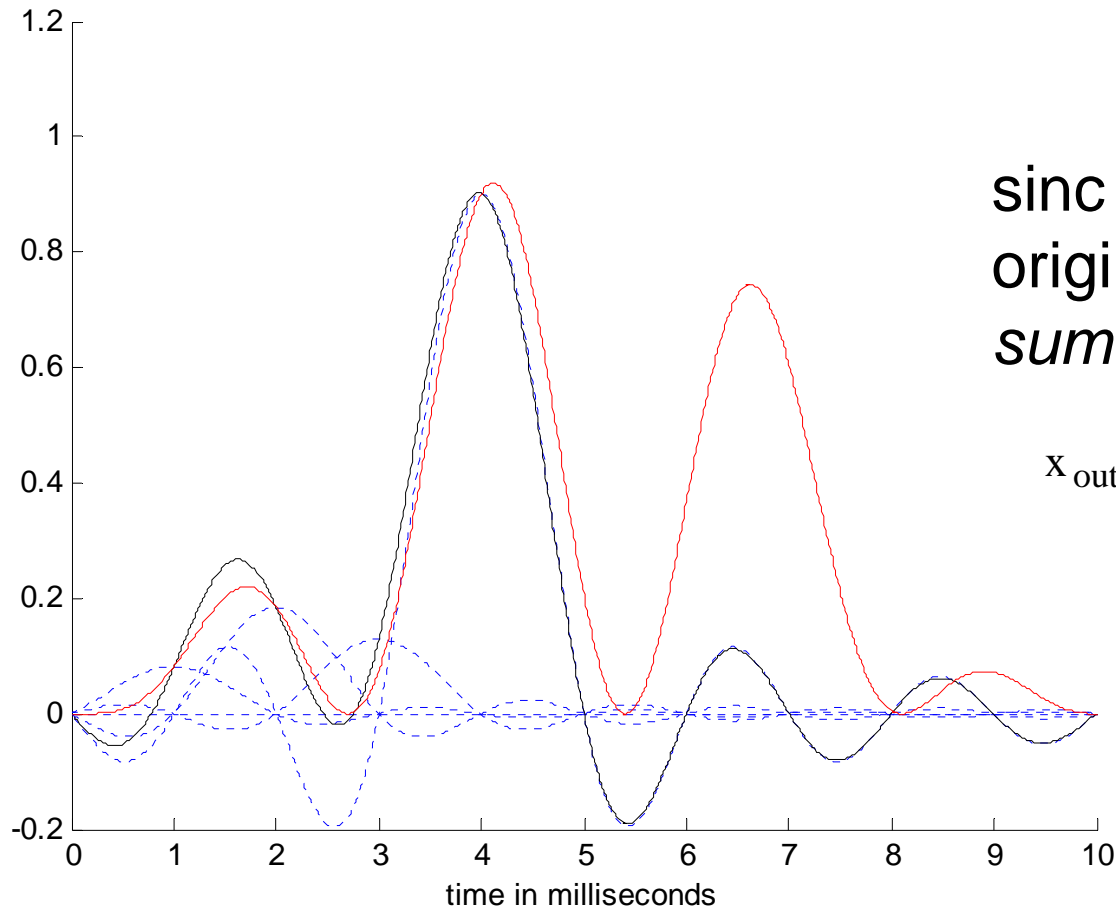


sinc functions in blue
original function in red
sum in black

$$x_{\text{out}}(t) = \frac{1}{T} \sum_{n=0}^3 x(nT) \text{sinc} \frac{t - nT}{T}$$



Demonstration of Reconstruction using sinc functions at $n = 0-4$

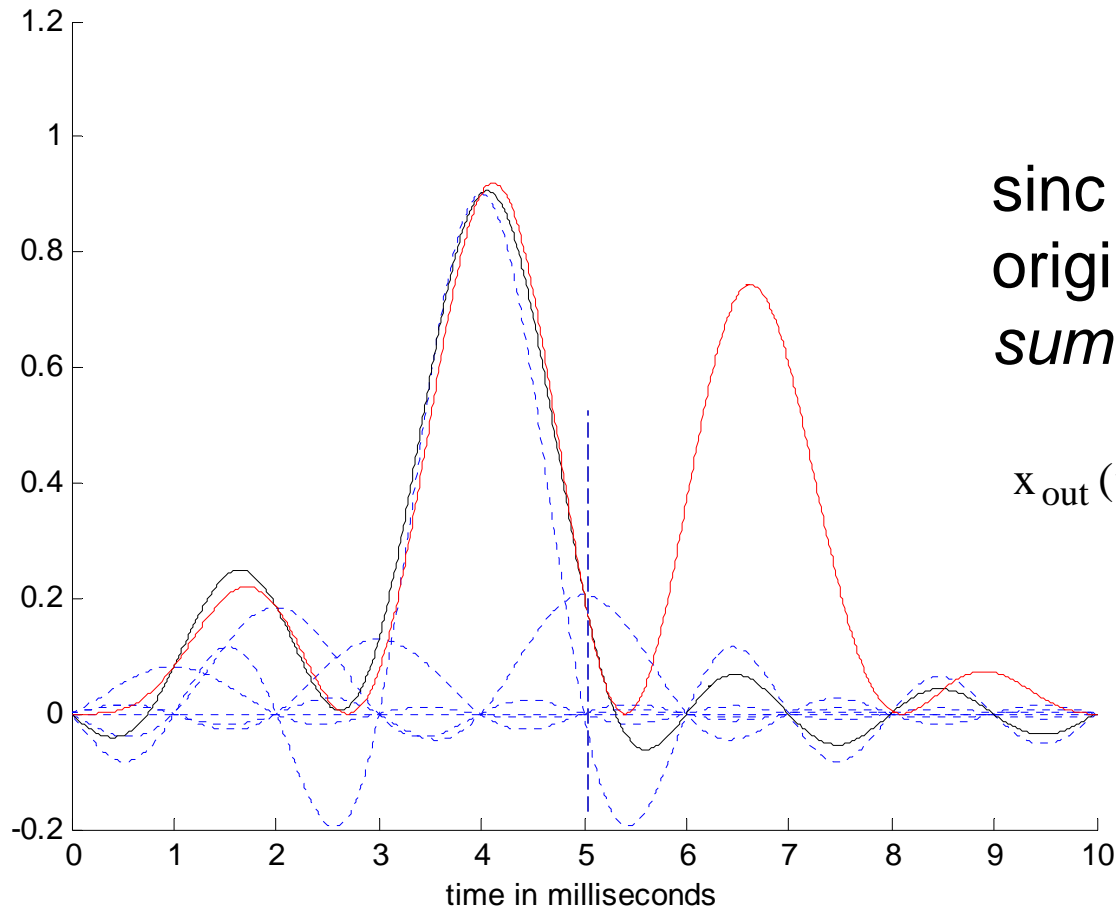


sinc functions in blue
original function in red
sum in black

$$x_{\text{out}}(t) = \frac{1}{T} \sum_{n=0}^4 x(nT) \operatorname{sinc} \frac{t-nT}{T}$$



Demonstration of Reconstruction using sinc functions at $n = 0-5$

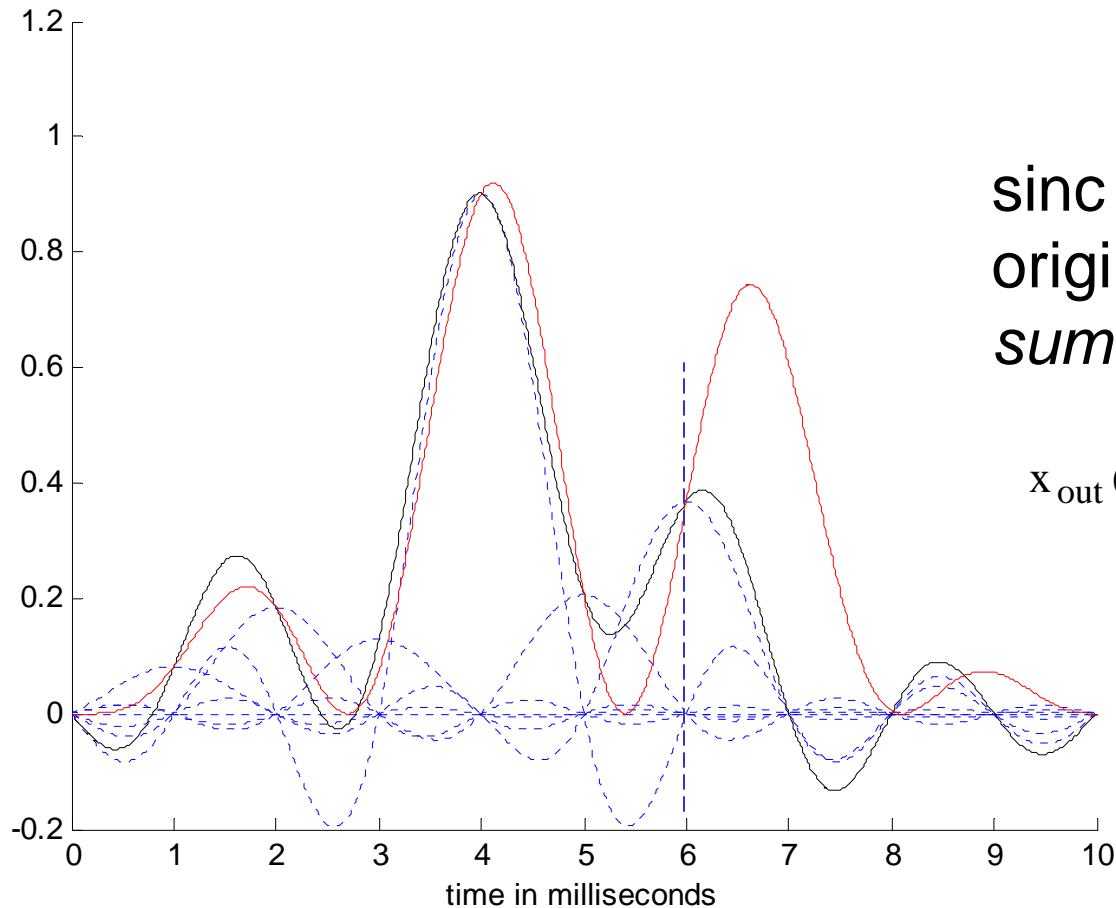


sinc functions in blue
original function in red
sum in black

$$x_{\text{out}}(t) = \frac{1}{T} \sum_{n=0}^5 x(nT) \operatorname{sinc} \frac{t - nT}{T}$$



Demonstration of Reconstruction using sinc functions at $n = 0-6$

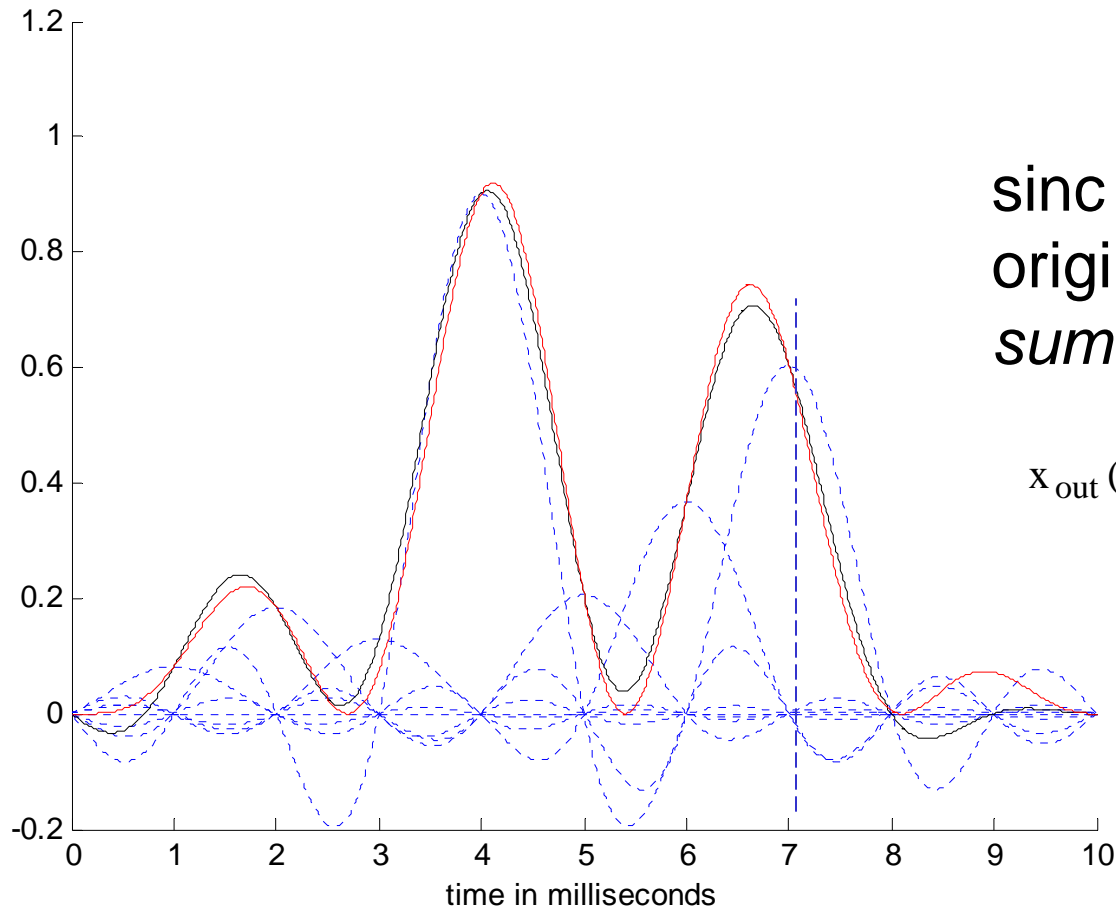


sinc functions in blue
original function in red
sum in black

$$x_{\text{out}}(t) = \frac{1}{T} \sum_{n=0}^6 x(nT) \sin c \frac{t-nT}{T}$$



Demonstration of Reconstruction using sinc functions at $n = 0-7$

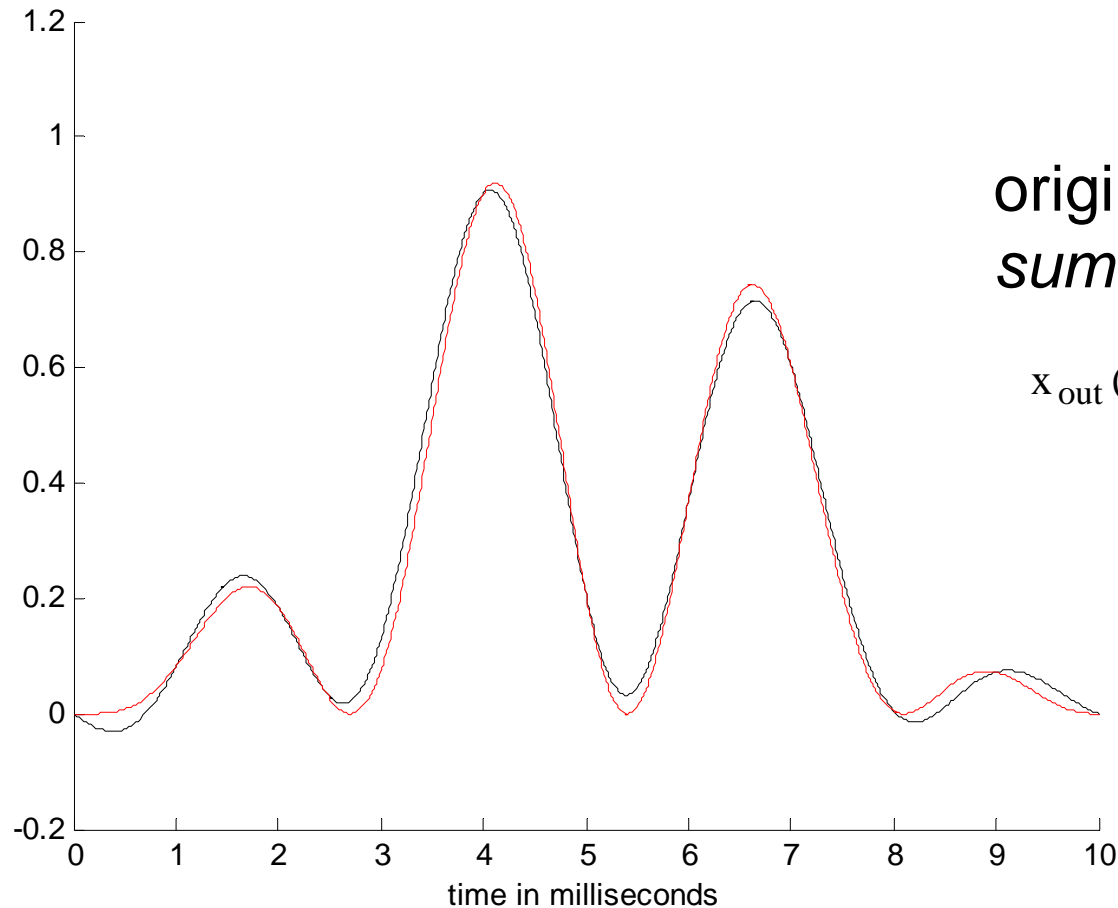


sinc functions in blue
original function in red
sum in black

$$x_{\text{out}}(t) = \frac{1}{T} \sum_{n=0}^7 x(nT) \text{sinc} \frac{t-nT}{T}$$



Demonstration of Reconstruction using sinc functions at $n = 0-10$



original function in red
sum in black

$$x_{\text{out}}(t) = \frac{1}{T} \sum_{n=0}^{10} x(nT) \operatorname{sinc} \frac{t-nT}{T}$$



Demonstration of Reconstruction

using sinc functions at $n = 0-10$

