Sinc Interpolation

Let's assume Xc is our continous signal and Xd is sampled signal.

 $X_{R}(t) = \sum_{n=0}^{N-1} X_{d}[n] - Sin\left(\frac{\pi(t-nTs)}{Ts}\right)$ $T_{s} \rightarrow Sompling period$ $T_{s} \rightarrow$

Xp(1) is the reconstructed signal from samples. This equation is obtained by Inserting equation 4.22 in equation 4.26 on textbook, (Pages 92 and 94)

-> Reconstructed signal should have some length with continous

one.

-3 You can use a shorter time paried then 1 for better Visudization in parts 6-5

somula for all period will give the reconstructed organi.