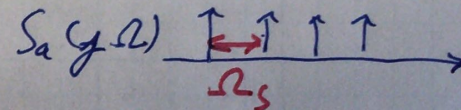
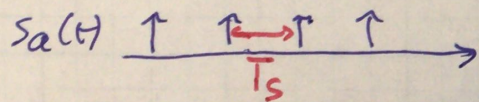
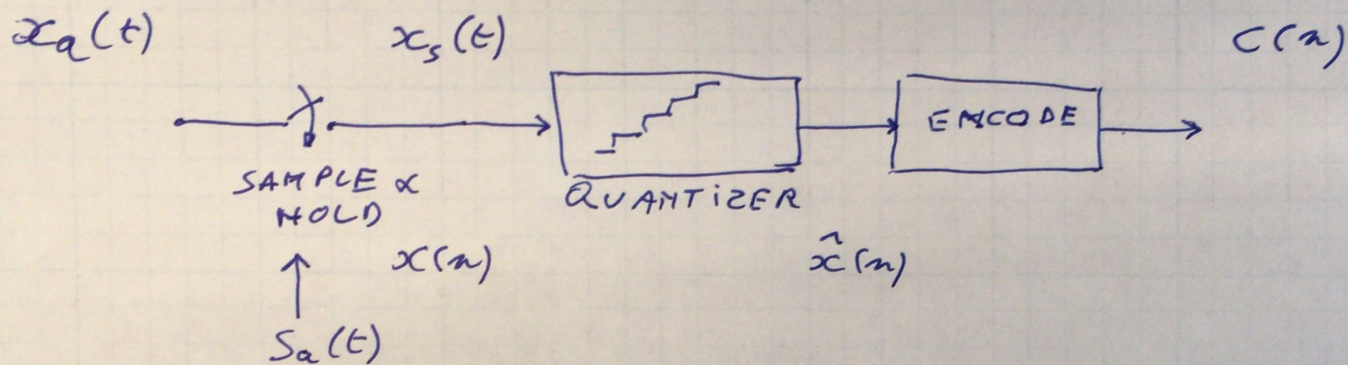
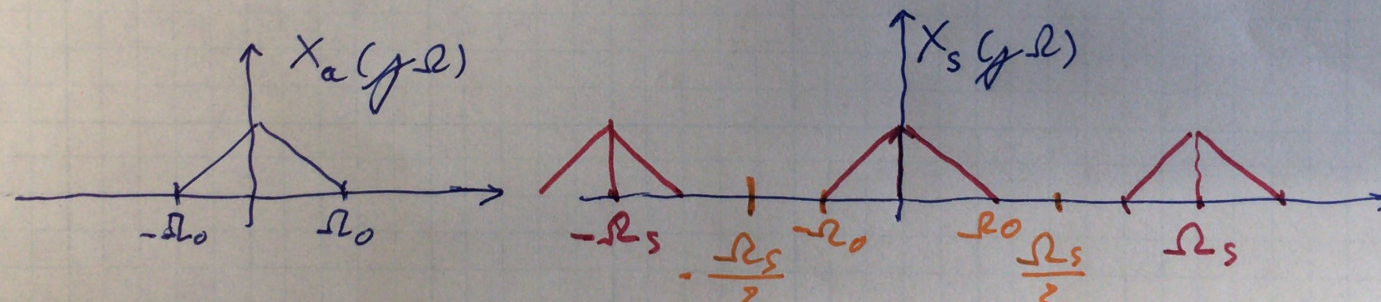


①



$$S_a(t) = \sum_n \delta(t - nT_s) \Leftrightarrow S_a(j\Omega) = \sum_k \delta(\Omega - k\Omega_s) \cdot \frac{2\pi}{T_s}$$

$$x_s(t) = x_a(t) \cdot S_a(t)$$



↑ NYQUIST THEOREM ↑

$$\Omega_0 < \frac{\Omega_s}{2} \text{ FOR RECONSTRUCTION}$$

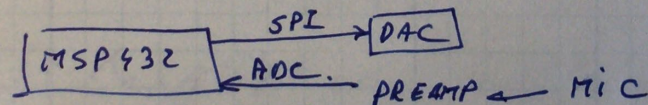


DSP APPLICATION  
YOUR C CODE

DSP APPLICATION  
LIBRARY  
MSP432-BOOSTXL

HARDWARE ABSTRACTION  
LAYER = SW LIBRARY  
GPIO-SETHi( );

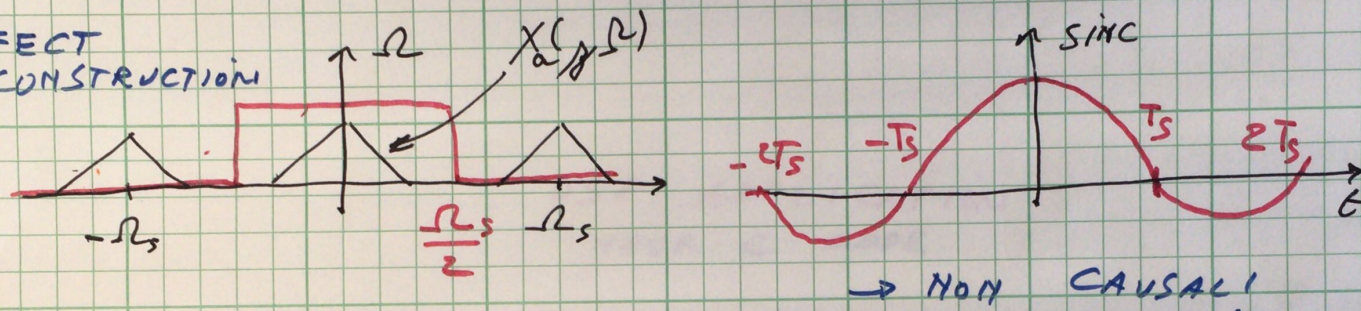
HARDWARE DETAILS



HARDWARE SCHEMATICS



PERFECT RECONSTRUCTION



PRACTICAL RECONSTRUCTION

ZERO-ORDER HOLD.

IMPULSE RESPONSE

