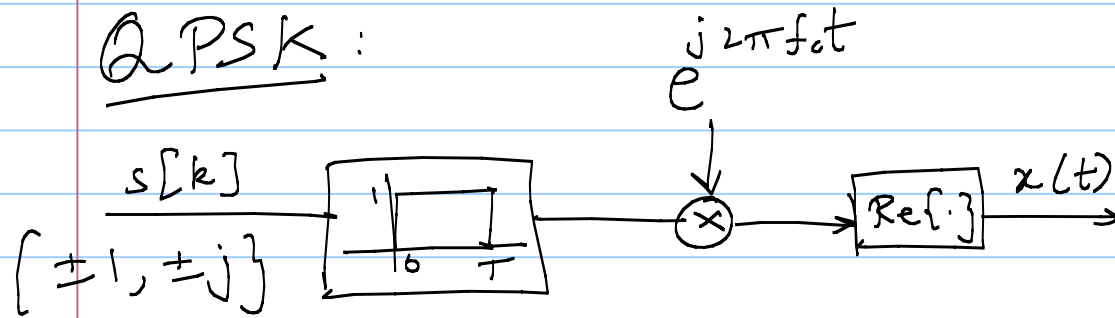


Lecture 37

Note Title

10/20/2008

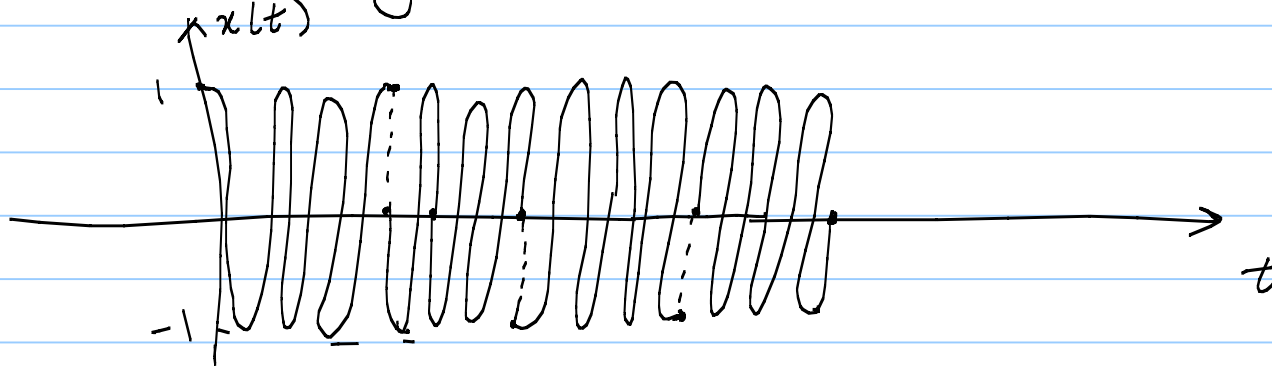
QPSK:



$$s[k] = \{1, j, -1, -j\} \quad f_c T = 3 \text{ or } 4$$

$$\text{Re}\{1 \cdot e^{j2\pi f_c t}\} = \cos 2\pi f_c t$$

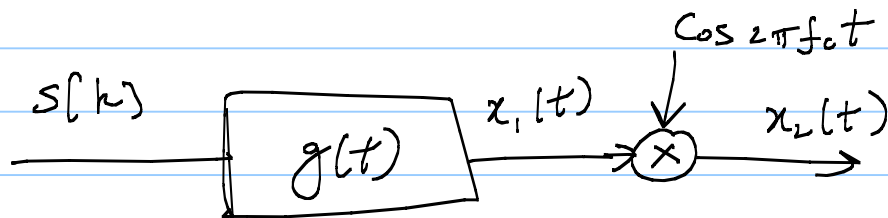
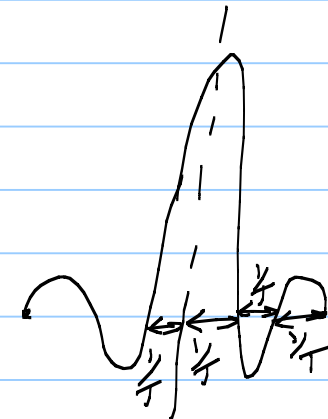
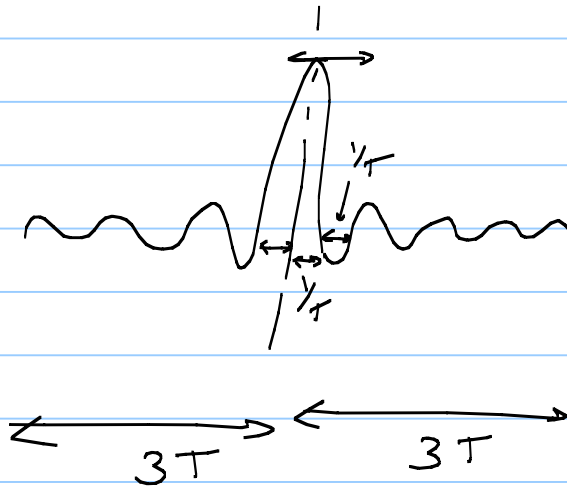
$$\text{Re}\{j \cdot e^{j2\pi f_c t}\} = \cos\left(2\pi f_c t + \frac{\pi}{2}\right)$$



BPSK with square-root raised cosine

Tx.
filter
response

$$g(t) = \frac{1+\beta}{2T}$$



$$f_c T = 3$$

$$s[k] = \{+1, -1, -1, +1\}$$

