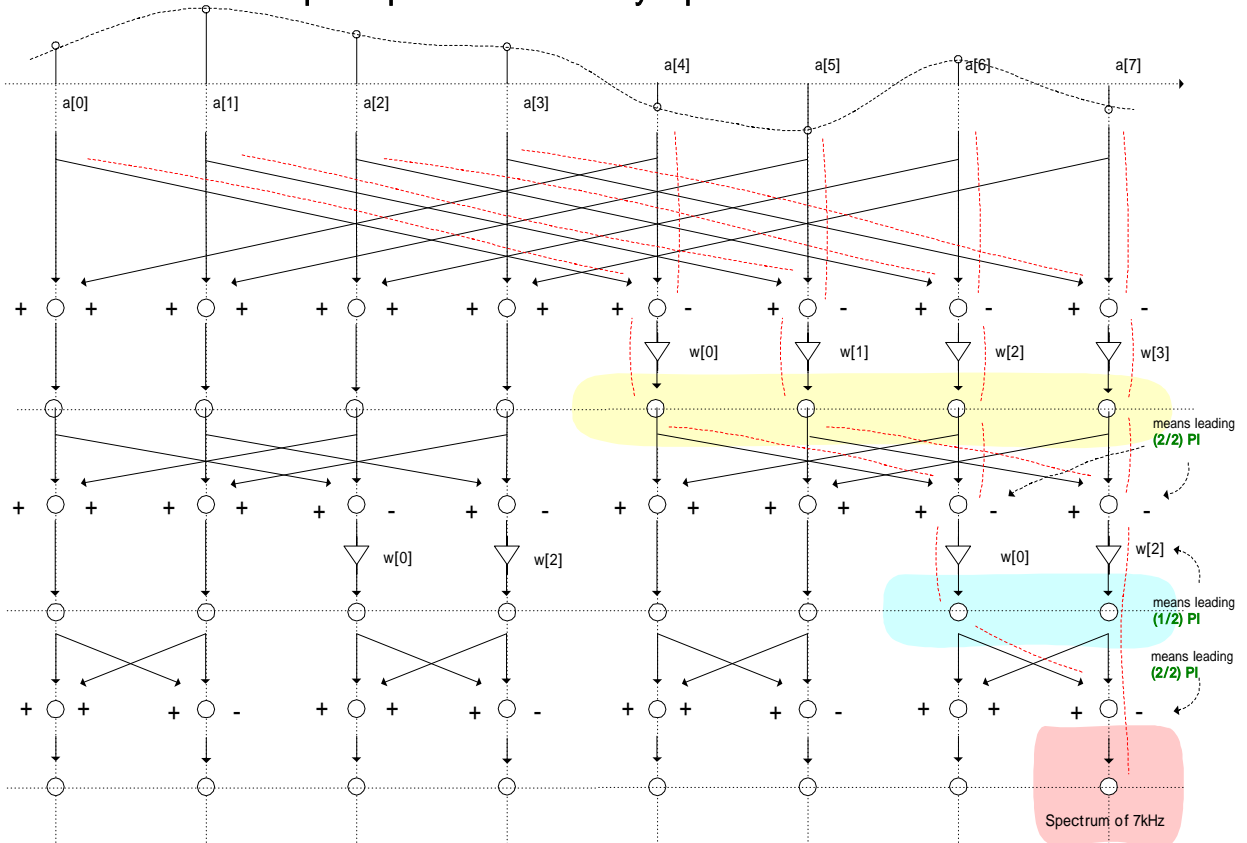
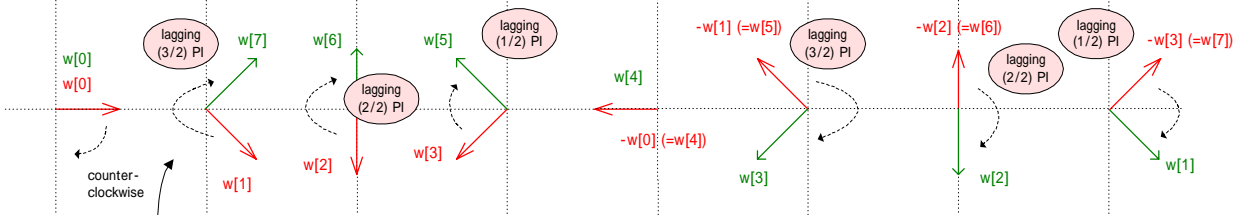


Compute spectrum of 7kHz by 8 point FFT

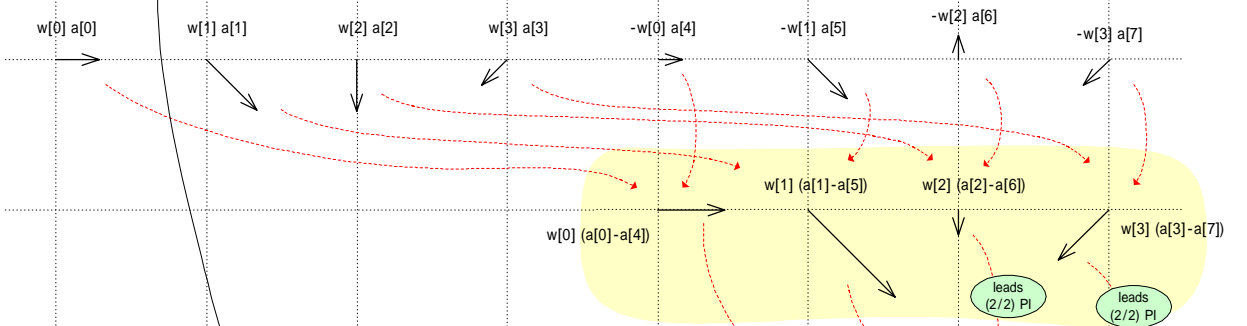
Time-domain data
Sampling Frequency is 8kHz



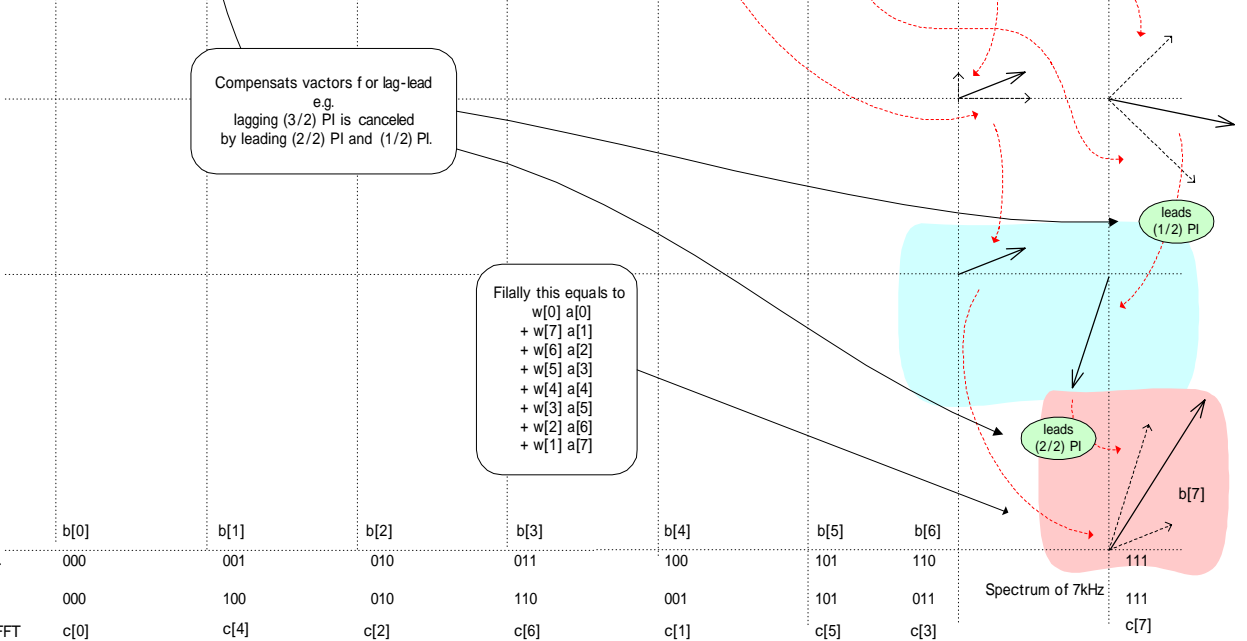
Twiddle Factor.
Twiddling Frequency is 1kHz
(the green is 7kHz)



Multiplication of $w[n]$ and $a[n]$



Vector calculation and FFT result



Stage 3	$b[0]$	$b[1]$	$b[2]$	$b[3]$	$b[4]$	$b[5]$	$b[6]$	$b[7]$
Bit-reversed order	000	001	010	011	100	101	110	111
	000	100	010	110	001	101	011	111
Actual order of FFT	$c[0]$	$c[4]$	$c[2]$	$c[6]$	$c[1]$	$c[5]$	$c[3]$	$c[7]$