Note: X: duta block vector Fast Block LMS: Xo: extended data block vetor · litter order: M XOFI FFT of XO · block ste: L extended block to use FFT: N = L+M-1 [Xo= [Xprevious block, m-1 points ; Xournest block, L points]

Wo= [W, m points ; Overtor, Espoints] 10 = IFFT { FFT { X0} . * FFT { W0} } XOF element-wise multiplication Filter output: Y= Yo, last L elements P=d-Y eo = [O vector M-1 privity ; e] > eoF = FFT deo} weights update: manjugate of XOF WOF = WOF + 2. M. XOF . * COF - WoF, last L-1 points = 0; element - wise multiplication. Repeat at applicating new Xo > This is wrong: It should be: Wo = IFFT { WOF } Wo, last L-1 points = 0; > make sure L-1 taps are Zeros in Time domai WOF = FFT 1 Wo3

input black:
$$N = 2$$
 $V = 2 + 4 - 1 = 5$

input black: $V = [2] = 5 = 6 + 8$

previous current black data, $V = 0$ into the property of the

T circular matrix of input block Xo

are ontput filter, which is the linear convolution of [5 678] and [1]