16 mG+ 6 coswet+4 m2G+ 4 cost wet+ 8 mC+) coswet (2+2cos2wct) = 2+6mC+)+4m2C+)+6cos we++8mC+)coswe++2cos2we+ 9CF) = 28CF) + 6M(F) + 4 MCF) + M(F) + 38(f-fe) + 38(f+fe) + +4H(f-fc)+4H(f+fc)+f(f-2fc)+f(f+2fc) 2 -2fe -fe-w-fe-fe-2w-w +w 2w fe-w fe fe-w 2fe b) Filtreninin Korakterstis! to frekonsuda BPF. [fe asonless m(f) in senirlighed] BW > 2W -> mesasidan: -w'dan w'ja aldusundan & gandeilmik
istoren fe > 3W > 2w < f= w => 3w < fc. 9(+)= 6 m(+) + 6coswet + 4m2(+) + 4cos2wet + 8 m(+) coswet X We yok (2+2cos 2wet) We yok (2+2cos 2wet) X 2we > we - > secriet 9(4)= 6 coswc+ + 8 m(+) coswc+ > 6 [1+ & m(+) (coswc+

max x(+) = max [m(+) + coswc+] = 1 + max m(+) = M