$\chi(e^{j\omega}) = \chi(c_0s^2(\omega)) + S_i \kappa^2(\alpha \omega)$ 1615 mtn =e 1005((m)= 1+ (05(1m) $Sin^{\prime}(\psi u) Q$ $Sin^{\prime}(w) = 1 - cos(\chi w)$ -> sin ((~ w) = 1 - cus (~ w) x(ejw)= 1+ (05(KW) + 1- (05(4W) = + (05(YW) - (05(4W) F " 4 = = 5 8 [W] F-1/ (05(4~) /= F-1/ e + e / n(n-no) = = x(e) & (16; (5) iso) = (16) (5) ومل روابط وفي الله ورانع = F(S(N) 4=1 0 No=- 7 16 200 No=7,620 F-1174 = Sta == F-17 + e xx + F-17 + e xx == + (stn_17+8tn+1) FY(05(9m) = F-17 e + e + e = + (8[n-9]+8[n+4]) > (F-1/x(e))/> 4/5(s[n_r] + S[n_r]) (+ \ (Stn-9) + Stn+97)

402 y(1) = (n-1)(t) |n| Meine ~(n) = aln1 = 101<1 → x(ein) = 1-0 X1(ej~)= 1-1- 2 COSW+1 10 - x (usw) الد تفد كنع > Y(ein) = = + (~(=) 1/1 = + (=) 1/1 } B Gira of Mention (Sign) differentiation (Siens of eins nath = 5 dx(em) - + Sinw - + Sinw J 4 (45 (0x 16 - x cosur - 1 x (xx x - sinu)) (10 - x (usw) ajx - z sinw = (-14 J. Since (10 - 4 COSW)) = (10 - x (usw) X (() -> (Y(ei~) = x(ei~) - x(ei~)=) (-17). 5in w - ~ ~ (10 - 7 (05W)) - ~ ~ (10 - 7 (05W)) دوار (ب