6.6.1 N=10, d=1/2 Sn= JWZ Vm = 1

5x = 552 Va Va + 5w2 ]

 $\frac{\text{WMPDR}}{\text{1 sx'1}} = \frac{\text{5x'1}}{\text{1 sx'1}}$ 

 $A_{NPDR} = \frac{\sigma_s^2 \left| \underline{W}^{\pm} V_a \right|^2}{\underline{W}^{\pm} \sigma_w^2 \underline{I} \underline{W}} / \frac{\sigma_{\varepsilon}^2}{\sigma_W^2} = \frac{\left| \underline{W}^{\pm} V_a \right|^2}{\underline{W}^{\pm} \underline{W}}$ 

(a,b) plots next page - Arrag gain decreases with more mismatch, more severe for high SMR

(c) ua ~ V[-u, u,]

 $E[AMPDR] = \int_{u_1}^{u_2} AMPDR(u_a) \frac{1}{2u_1} du_a$ 

U. = 0.0433 BWNN, 0.25 BWNN, 0.50 BWNN





