

Sec #	Topics	Pg # to read	# of Pgs
6-2	$h_{fe}$ vs $h_{FE}$	266 bottom ½	½
6-2	$r_e$ We are using a mV constant = 38mV for Medium signal levels	266 top ½	½
6-3	$A_{v(mid)}$ for Full Bypass	275 bottom ¾ , 276 top ¼	1
6-3	<p><b>Calc. of <math>Z_{in}</math> &amp; <math>Z_{out}</math></b></p> <p>Note: My <math>Z_{in} = R_{in(tot)}</math> in text, &amp; <math>Z_{out} = R_{out}</math>.</p>	<p>268 Fig 6-8 Schematic Only</p> <p>270 top ¾ (skip <b>below</b> Eq. 6-2) but look at Eq 6-2 &amp; Fig 6-11 then read thru 272 top ½</p> <p>Skip <math>V_b</math> Eq.</p>	2 ½
9-1	<p>Power gain</p> <p>Note: <math>A_i = \frac{V_L}{V_{In}} \left( \frac{Z_{In}}{R_L} \right) = A_v \frac{Z_{In}}{R_L}</math></p> <p><math>A_p = A_i \bullet A_p = \left( A_v \frac{Z_{In}}{R_L} \right) (A_v) = A_v^2 \left( \frac{Z_{In}}{R_L} \right)</math></p>	430 bottom ½ , 431 top ½	1
6-3		281 top 1/8	1/8
	<p><b>Summary For Full Bypass <math>A_v</math>, <math>R_{in}</math>, <math>A_i</math>, <math>A_p</math></b></p> <p>(For <math>V_B</math> Eq. Ignore the <math>\parallel B_{DC} R_E</math> terms)</p>	310	1

Sec #	Cap Effect on Low Frequencies	Pg # to read	# of Pgs
10-3	Effect of Caps on $A_V$ @ Low Frequencies	483 bottom 1/4 , 484 top 1/2	3/4
10-1		476 bottom 1/2 , 477 top 1/2	1
10-3	$f_C$ for $C_{in}$ Note: We are assuming $R_S = 0\Omega$	485 bottom 3/4	3/4
10-3	$f_C$ for $C_{out}$ Note: (since $R_C$ is usually $\ll R_L$ we are Ignoring $R_C$ )	488 bottom 3/4 489 top 1/4 Solution (a) $f_C =$ only	1
10-3	$f_C$ for Emitter Bypass Cap Note: His $R_e = X_{C2}$	489 bottom 1/4, 490 top 1/4	3/4
6-3	Emitter Bypass cap calc. (Rough Approximation)	273 last 2 par, 274 top 1/2	3/4
10-3	Ex 10-9 Low Freq. Resp. of a CE Amp In our Prob. $R_S = 0\Omega$ (Skip Bypass RC Ckt.) Note: $R_C \ll R_L \therefore$ Can Ignore $R_C$	497 498 top 1/8 $A_V$ (mid) Calc.	1
<b>Total # of Text Pages</b>			<b>12 1/2</b>
<b>Supplementary Reading 6</b>			
	Calculation of $r_e$		1
	CE Amp with Partial Bypass (Full Schematic)		1
	3 <sup>rd</sup> Benefit of Partial Emitter Bypass ( $Z_{in (Base)}$ is Raised)		1
	Impedance Calculations from Measured Voltages.		1
<b>Total # of Pgs.</b>			<b>16 1/2</b>