Blackboard Notes for lecture - 4

slide 4:

the slope of the straight line will contribute to different a point.

slide Ti

the a point should be properly selected, otherwise, it will result in waveform distortion.

511de 81

Av= - BokeRL be aware of the minus sign here,

it means the place output signal and input signal are out of phase (180° phase difference).

the amplification coefficient can be tuned by adjusting the values of R_c and R_L .

slide 9:

please be awate of is which is generally not equal to is. Calculate input impedance and output impedance according to definitions.

for any complicated BJT circuit:

You need to formulate v_i and v_o , then calculate $A_v = \frac{v_o}{v_i}$

Also, De circuit should be first drawed to determine a point.

then Ac circuit should be built to formulate vi and vo.