

P5.23 To circumvent the negative feedback needed for thermal stability and to avoid the accompanying reduction of gain, a bypass capacitor C_E needs to be placed in parallel with an emitter resistor R_E , such as in Fig. 4.14a, cf. Fig. 18a. Determine what capacitor needs to be used for the amplifier in Fig. 4.14a, if the amplifier is to amplify signals down to 30 Hz.