

Figure 1: Hall Coefficient field dependence for three multicarrier semiconductor samples

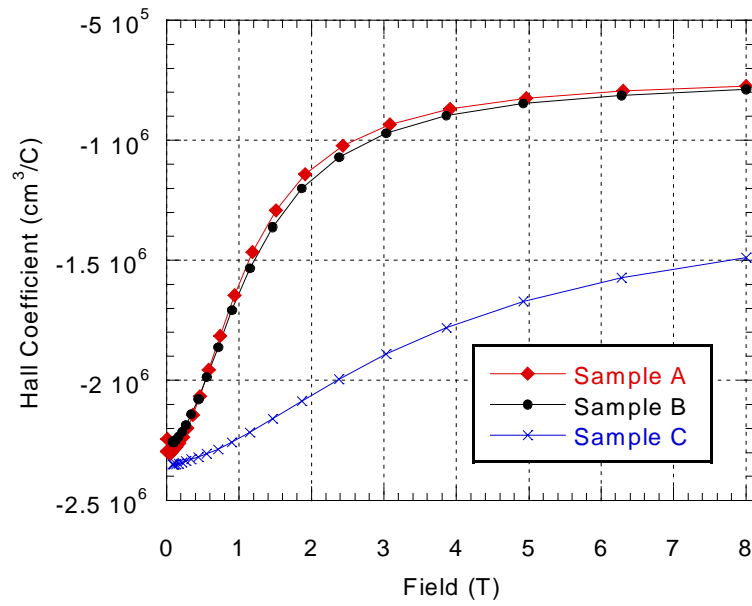


Figure 2: Resistivity field dependence for three multicarrier semiconductor samples

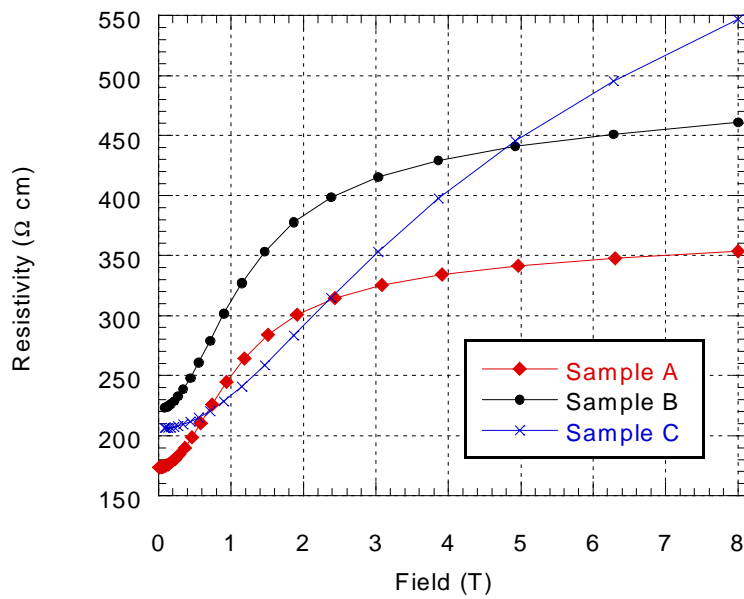


Figure 3: Field dependence of elements of conductivity tensor for a single carrier semiconductor device

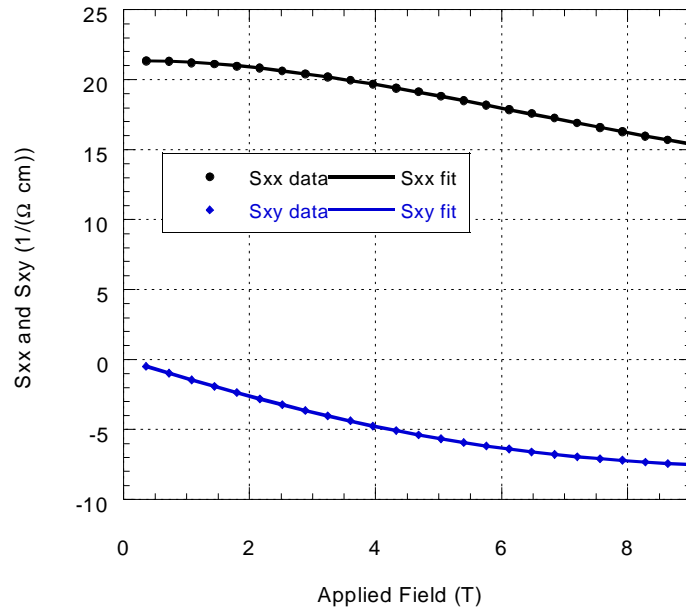


Figure 4: Resultant mobility spectrum from application of QMSA to the field dependent data

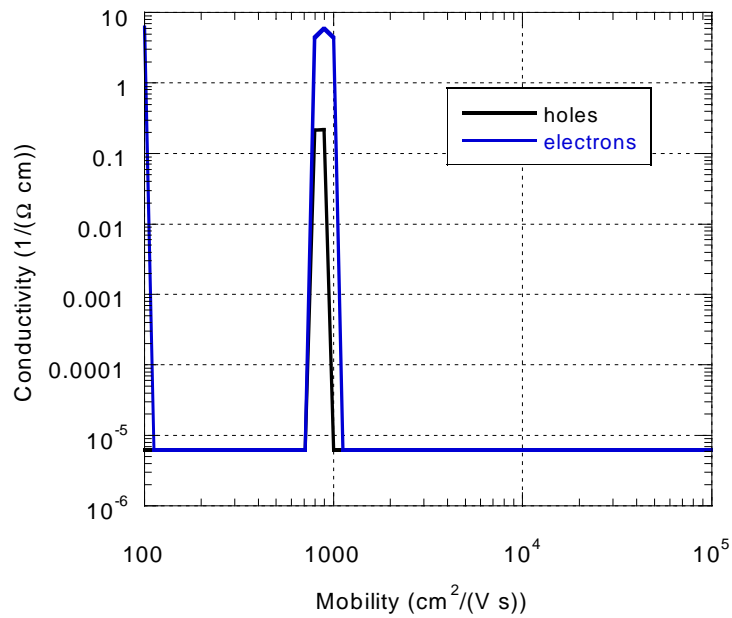


Figure 5: Conductivity tensor field dependence for a multicarrier HEMT device

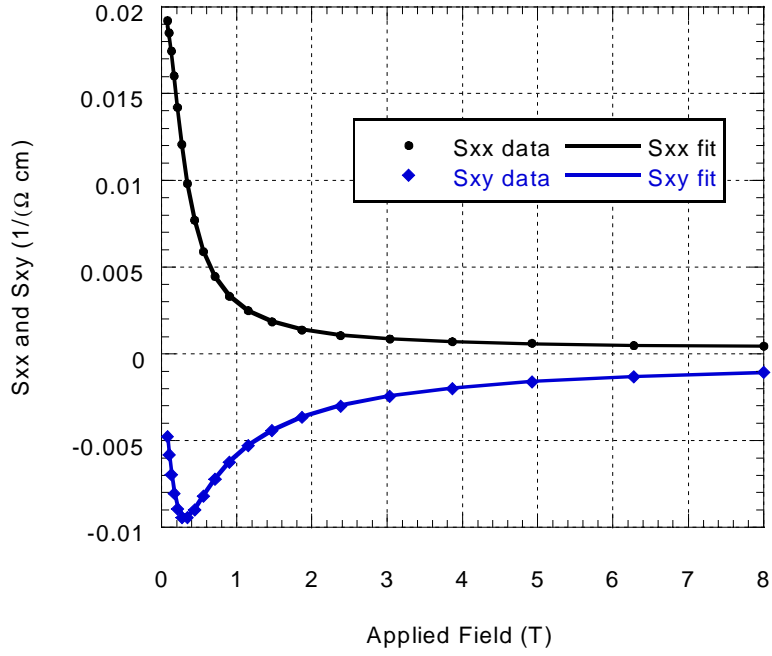


Figure 6: Resultant mobility spectrum from application of QMSA to the field dependent data

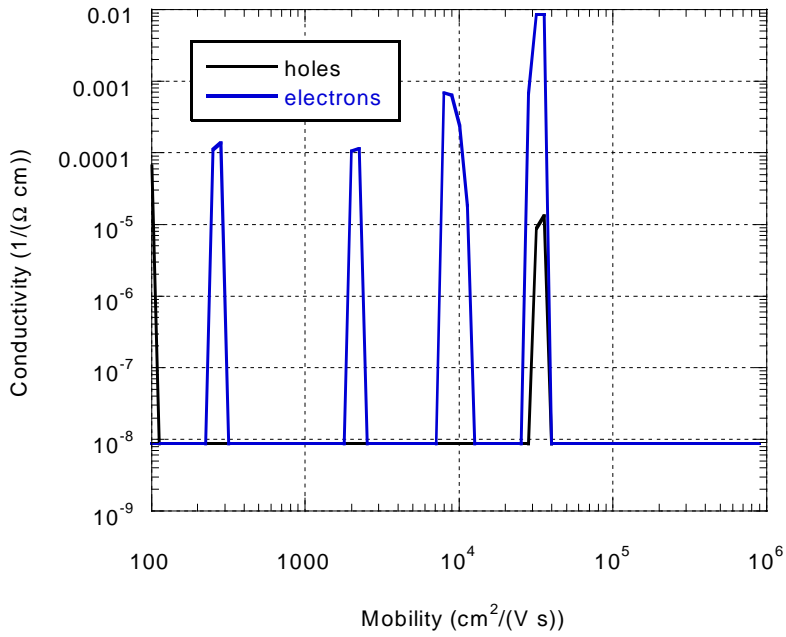


Figure 7: Temperature dependent carrier concentrations for multicarrier HEMT structure

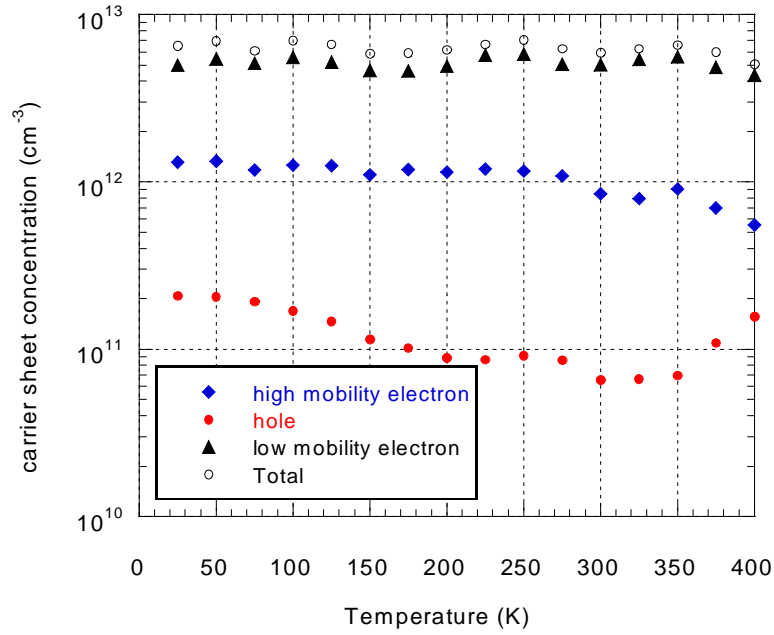


Figure 8: SdH measurements at various temperatures for a HEMT device

