

Figure Captions:

Figure 1: SEM image of a 1 mol % Cr-doped sample surface after polishing and etching. The scale bar is 4 microns.

Figure 2: Grain sizes of Cr and Sb doped ceramics as functions of the doping level.

Figure 3: Curie temperatures (measured on heating) of Cr and Sb doped ceramics as functions of the doping level.

Figure 4: Dielectric constant (a) and loss (b) of Sb-doped ceramics at 1KHz and 33Hz.

Figure 5: Dielectric constant (a) and loss (b) of Cr-doped ceramics at 1KHz and 33Hz.

Figure 6: Pyroelectric coefficients of Cr and Sb-doped ceramics.

Figure 7: DC resistivities at 25°C of Cr and Sb-doped ceramics.

Figure 8: Pyroelectric figures of merit F_V and F_D for Cr and Sb-doped ceramics. (Assuming that $c' = 2.5 \times 10^6 \text{ Jm}^{-3} \text{ K}^{-1}$)

Figure 9: $\log_e(\text{DC Resistivity})$ vs $1/T$ for the Sb-doped ceramics. The legend indicates the doping level for each specimen in at %.

Figure 10: Variation of $\log_e(\text{DC conductivity})$ with $z^{-1/3}$ for Cr-doped ceramics.

Figure 11: $\log_e(\text{DC Resistivity})$ vs $1/T$ for the Cr-doped ceramics. The legend indicates the doping level for each specimen in at %.

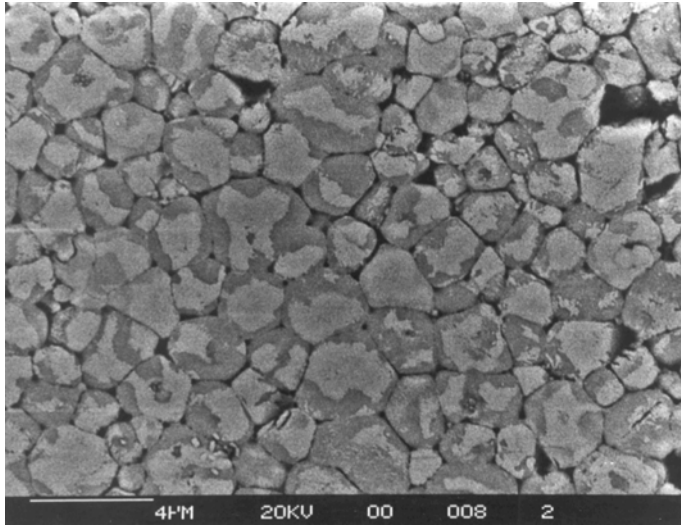


Figure 1

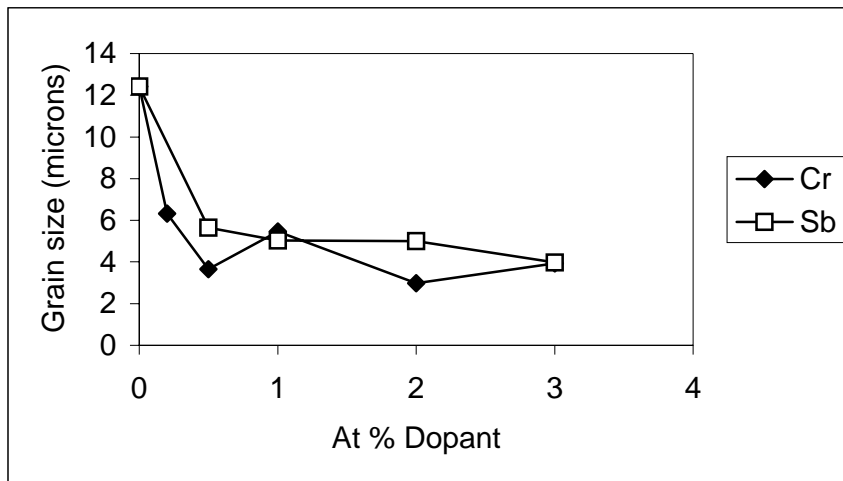


Figure 2

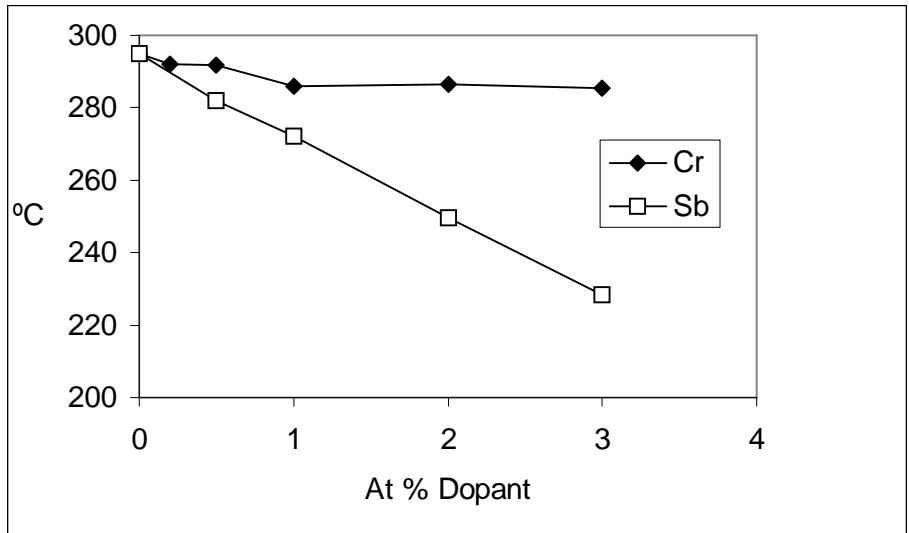


Figure 3

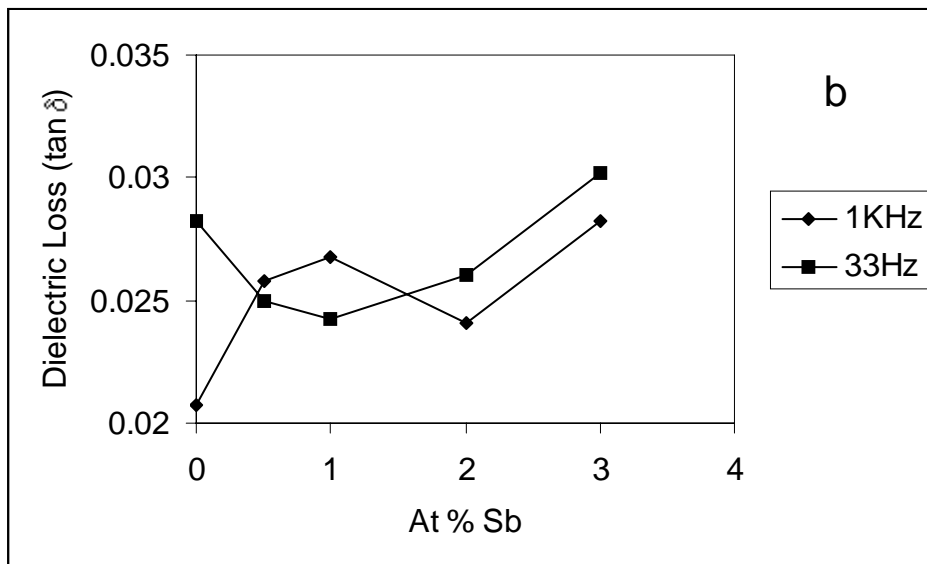
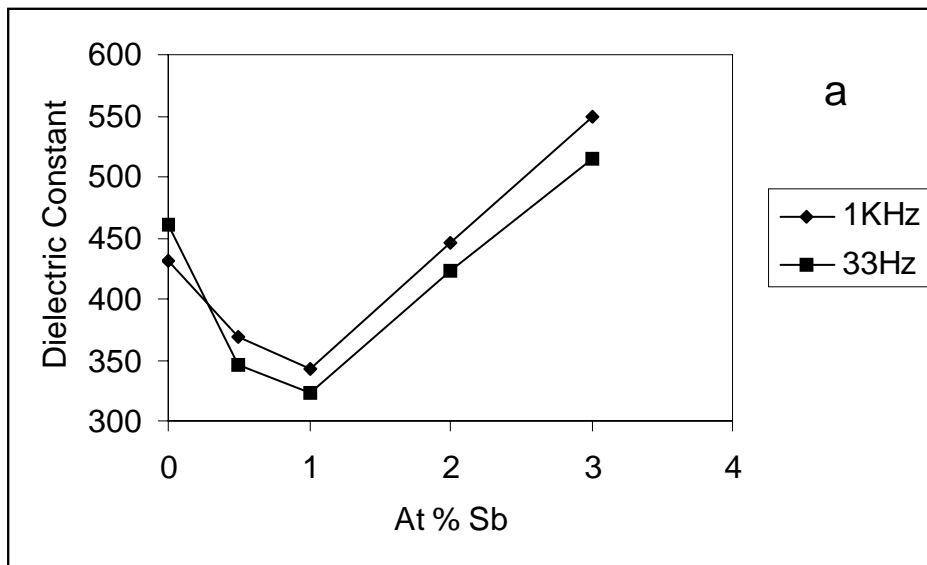


Figure 4

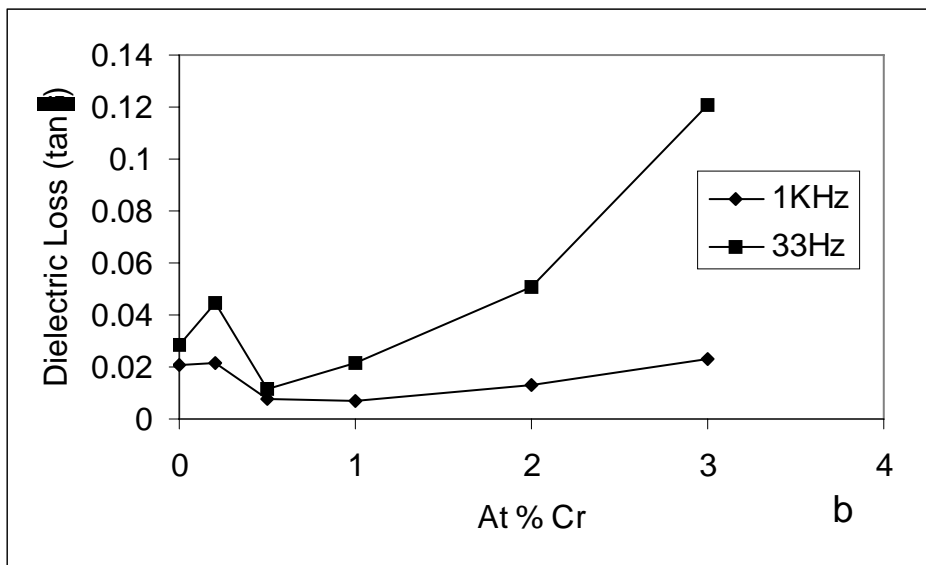
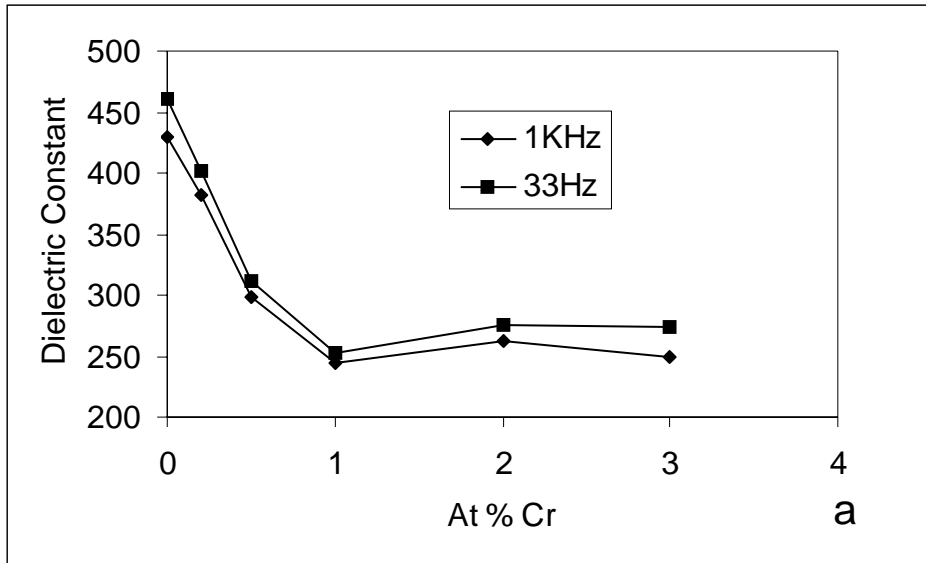


Figure 5

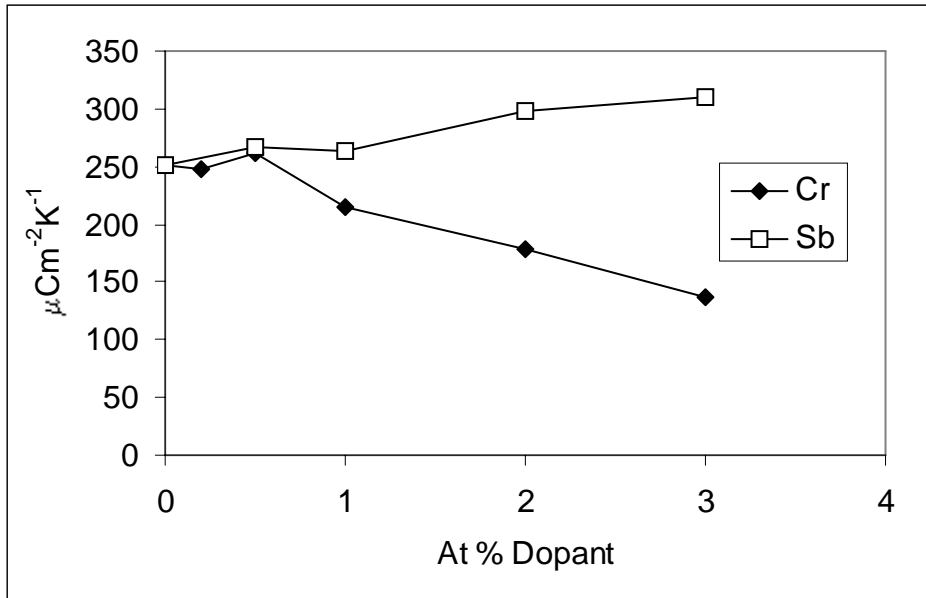


Figure 6

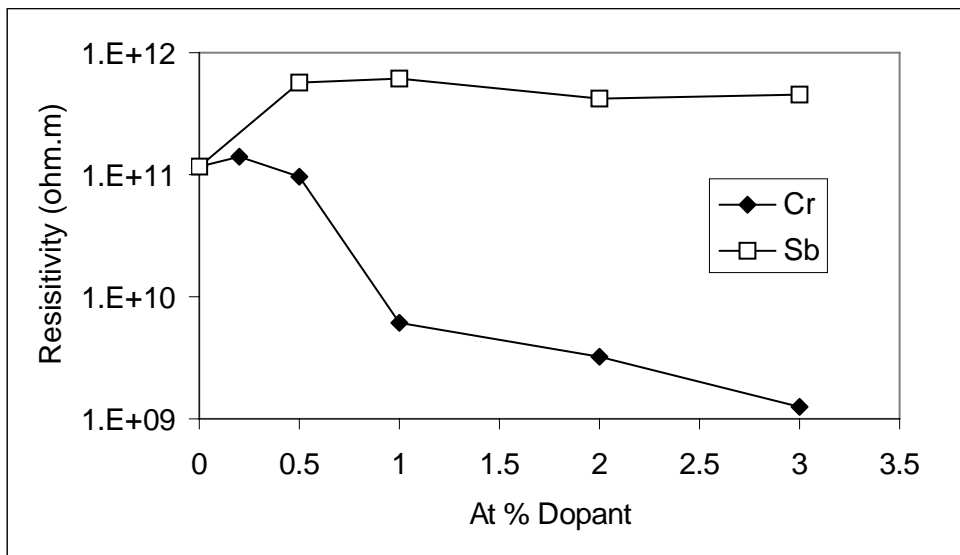


Figure 7

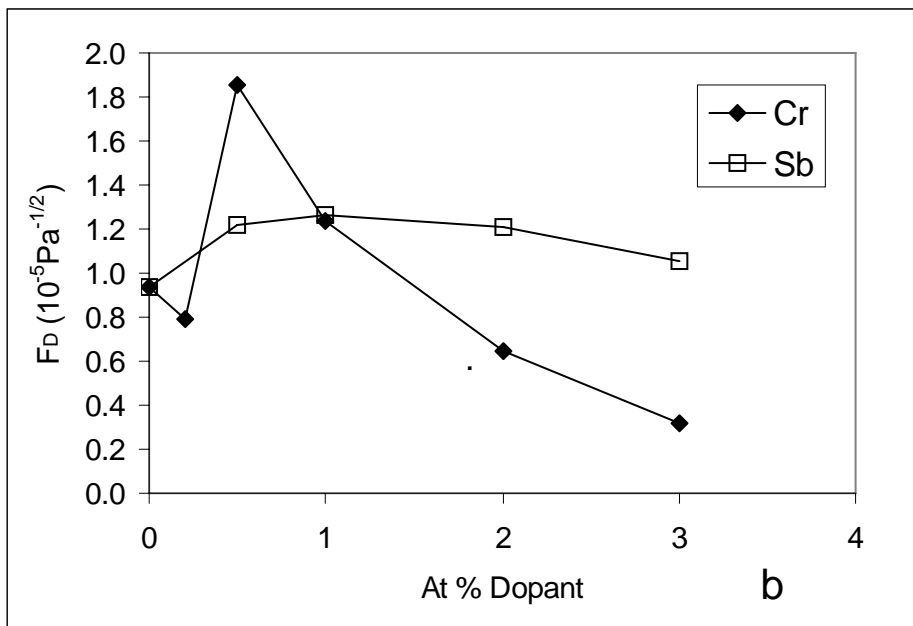
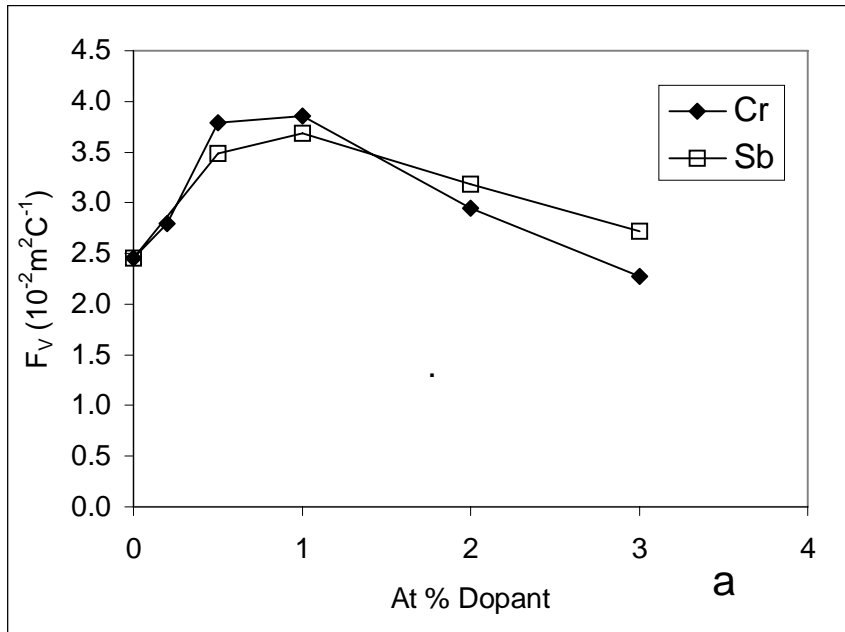


Figure 8

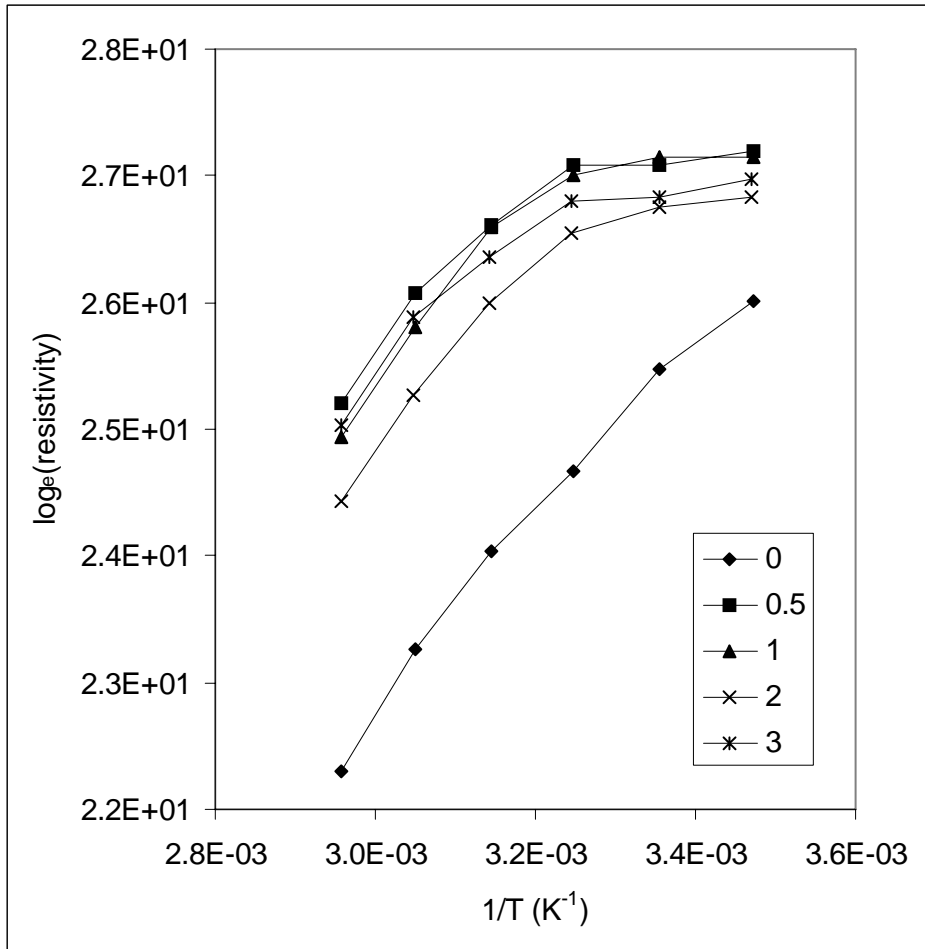


Figure 9

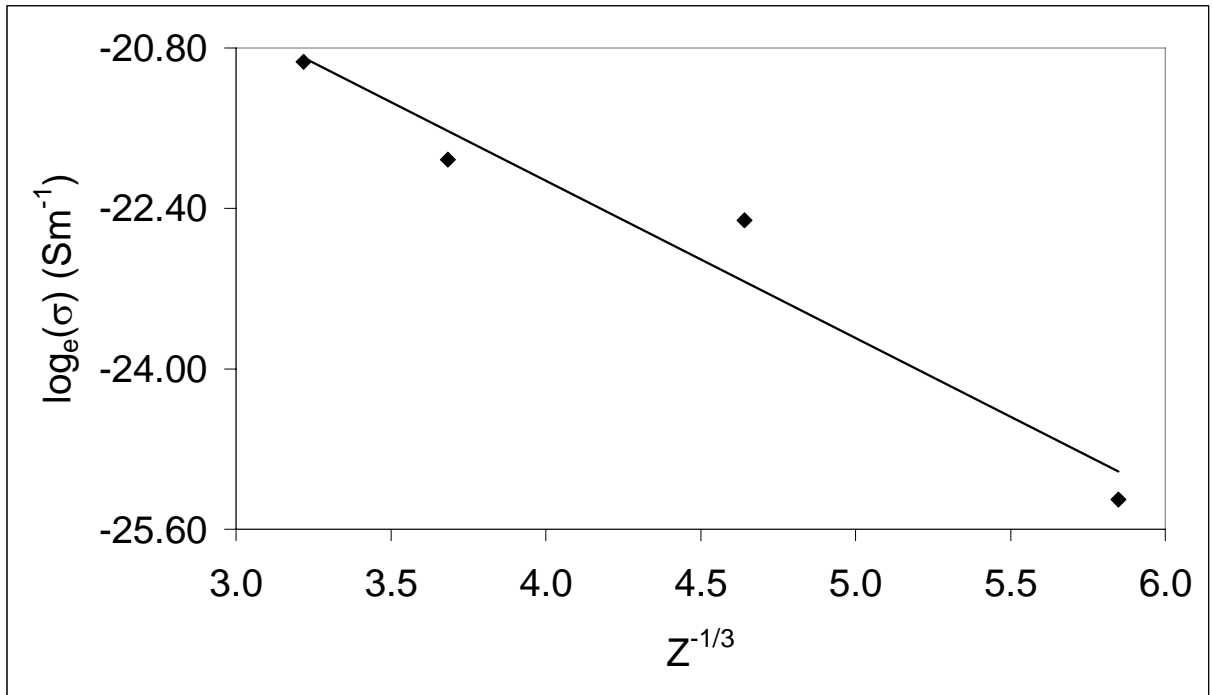


Figure 10

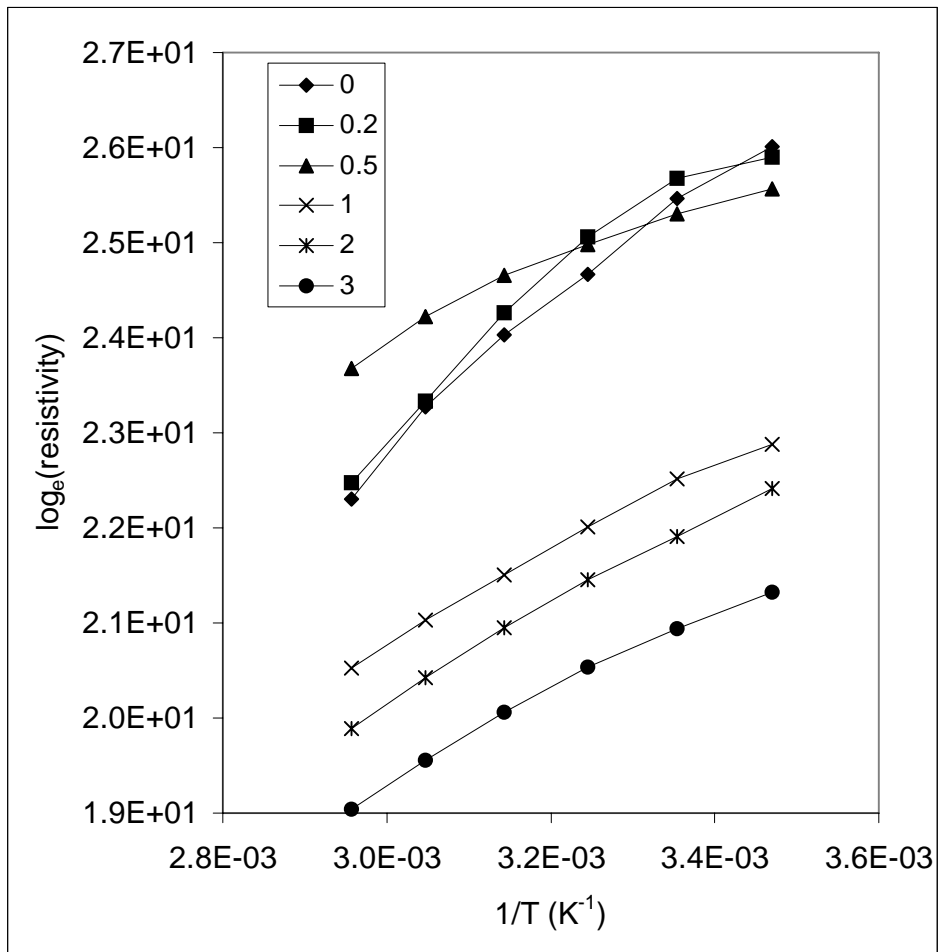


Figure 11