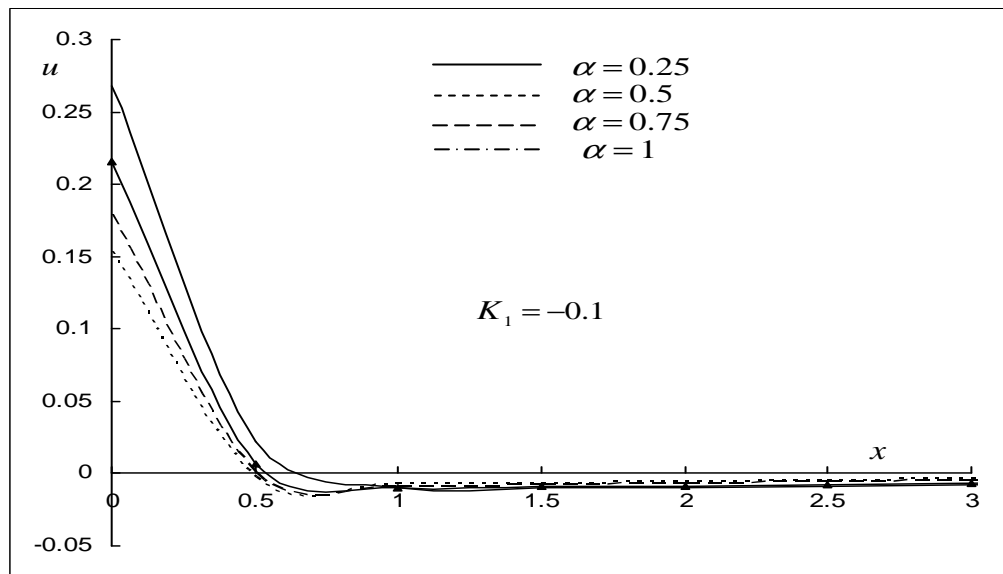
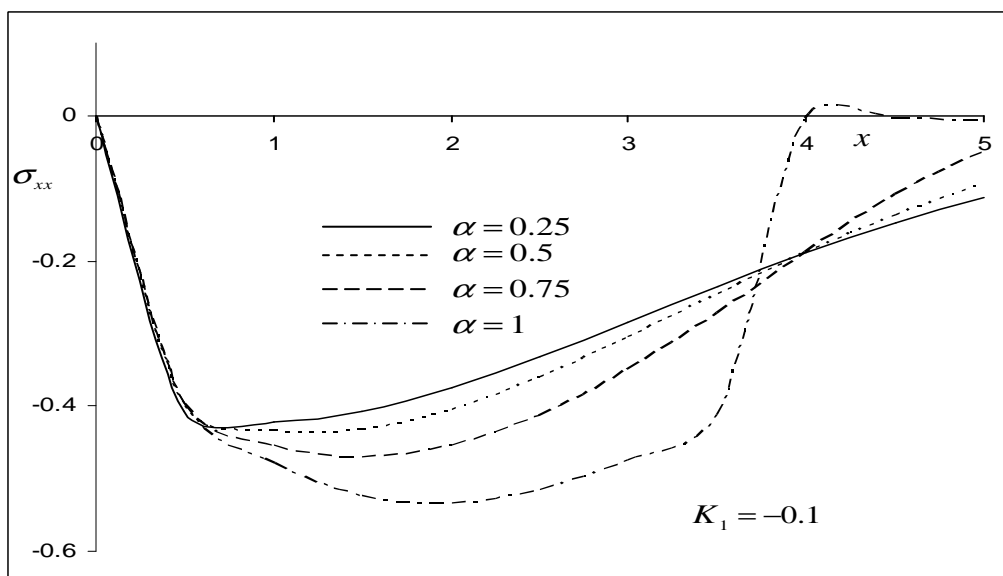


**Figure1: The effect of fractional order parameter on temperature distribution**



**Figure2: The effect of fractional order parameter on displacement distribution**



**Figure 3: The effect of fractional order parameter on stress distribution**

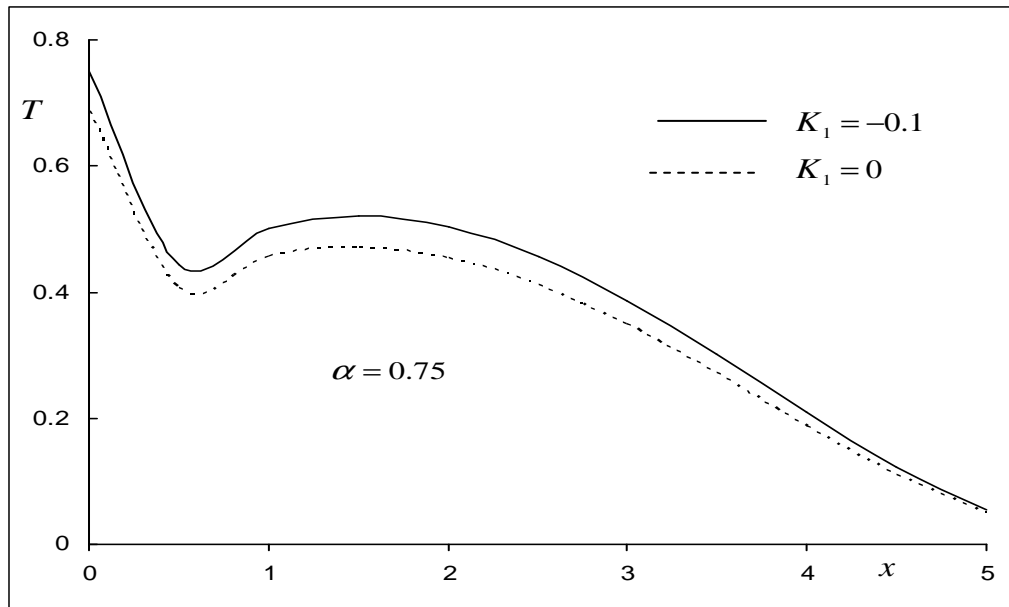


Figure 4: The effect of variation of thermal conductivity on displacement distribution

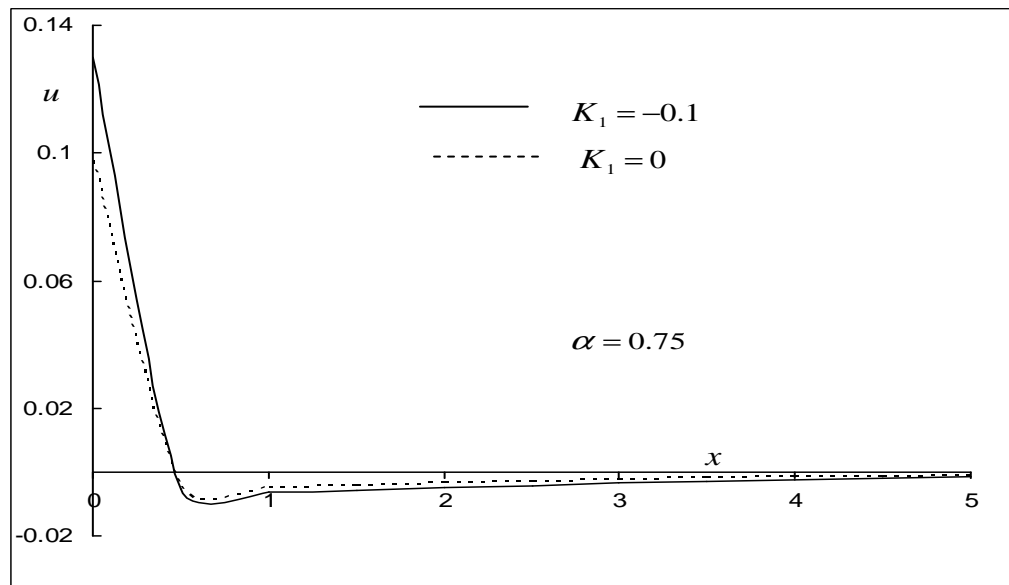


Figure 5: The effect of variation of thermal conductivity on temperature distribution

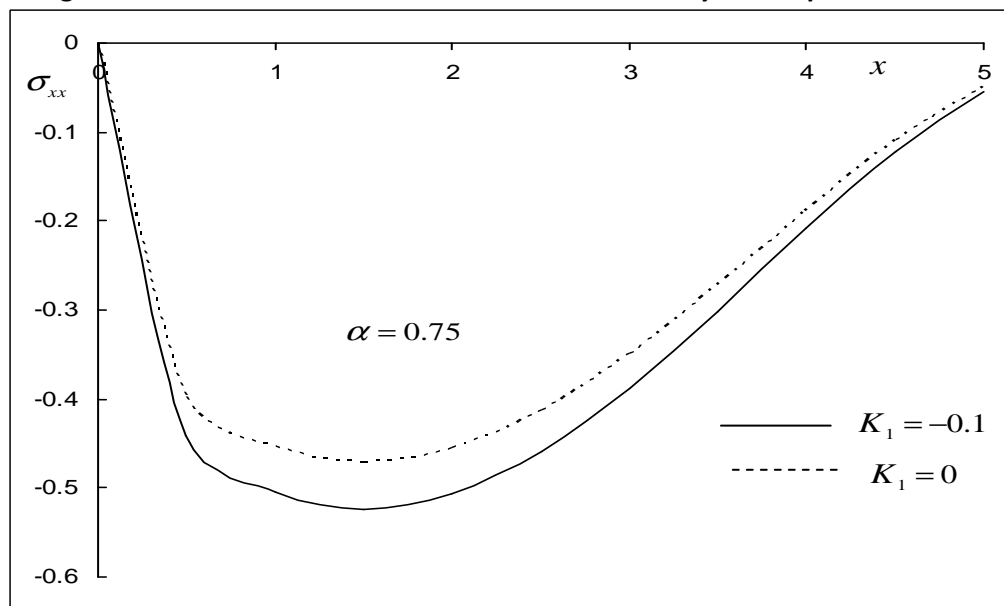
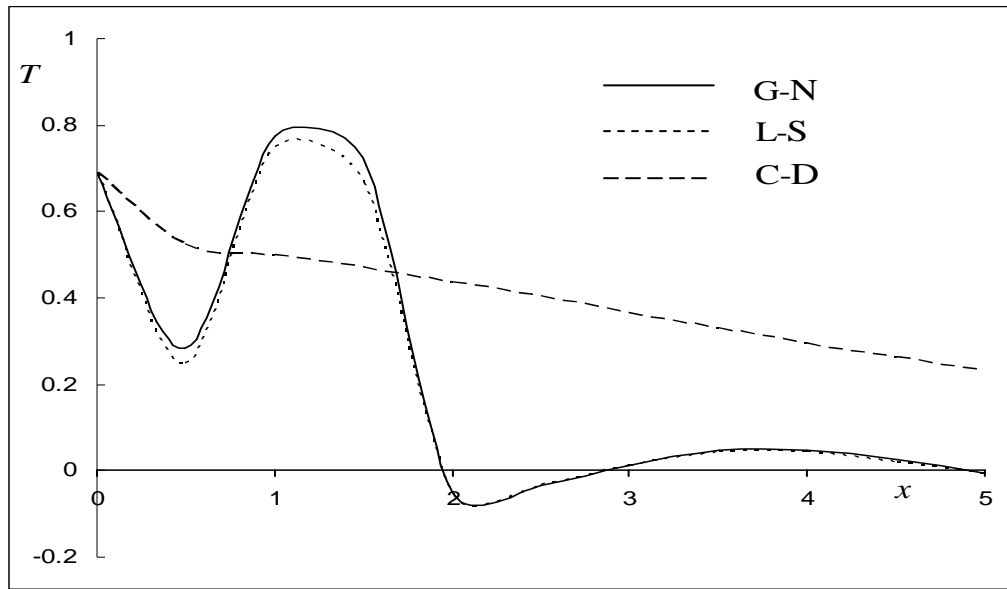
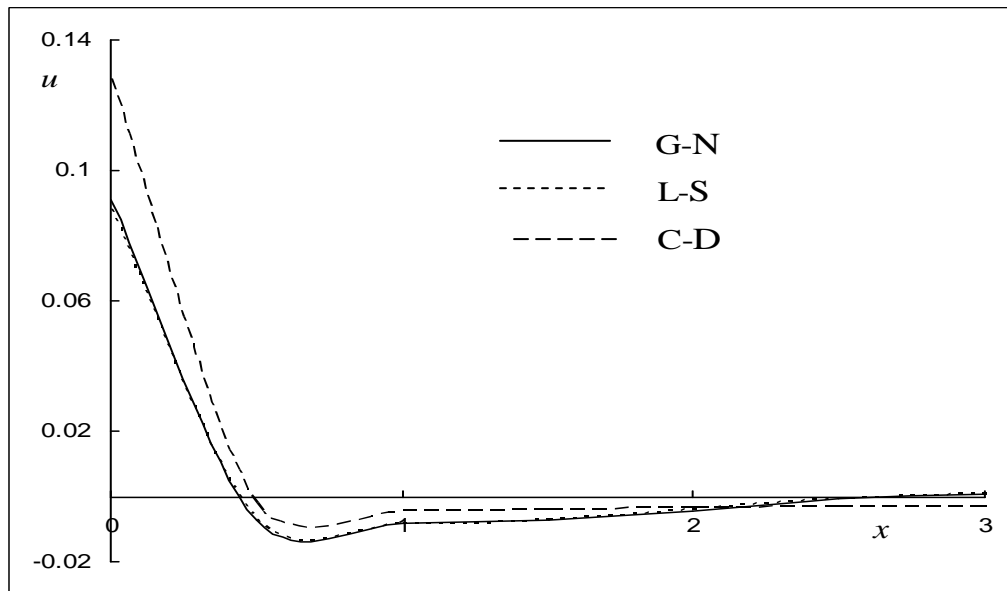


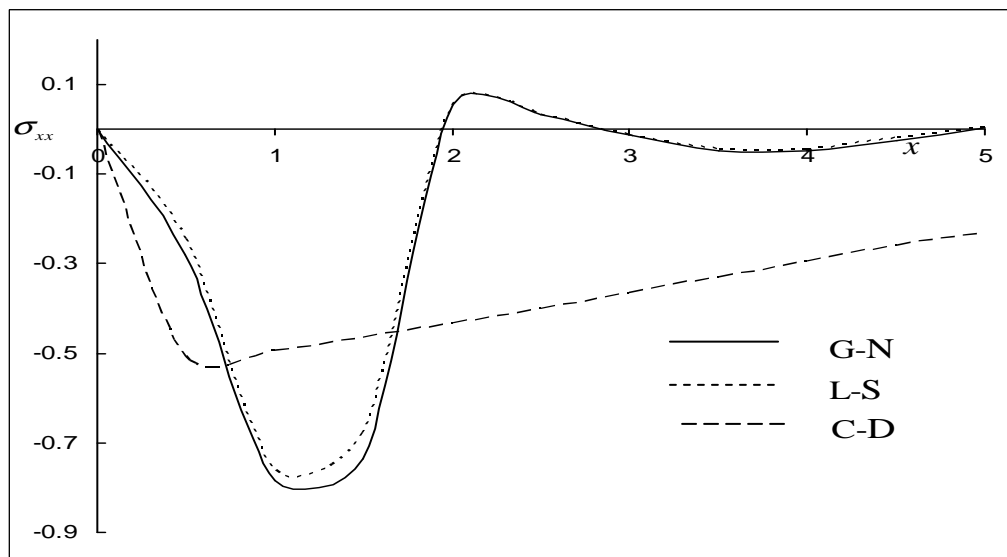
Figure 6: The effect of variation of thermal conductivity on stress distribution



**Figure 7: The on temperature distribution in different theories of thermoelasticity**



**Figure 8: The displacement distribution in different theories of thermoelasticity**



**Figure 9: The stress distribution in different theories of thermoelasticity**