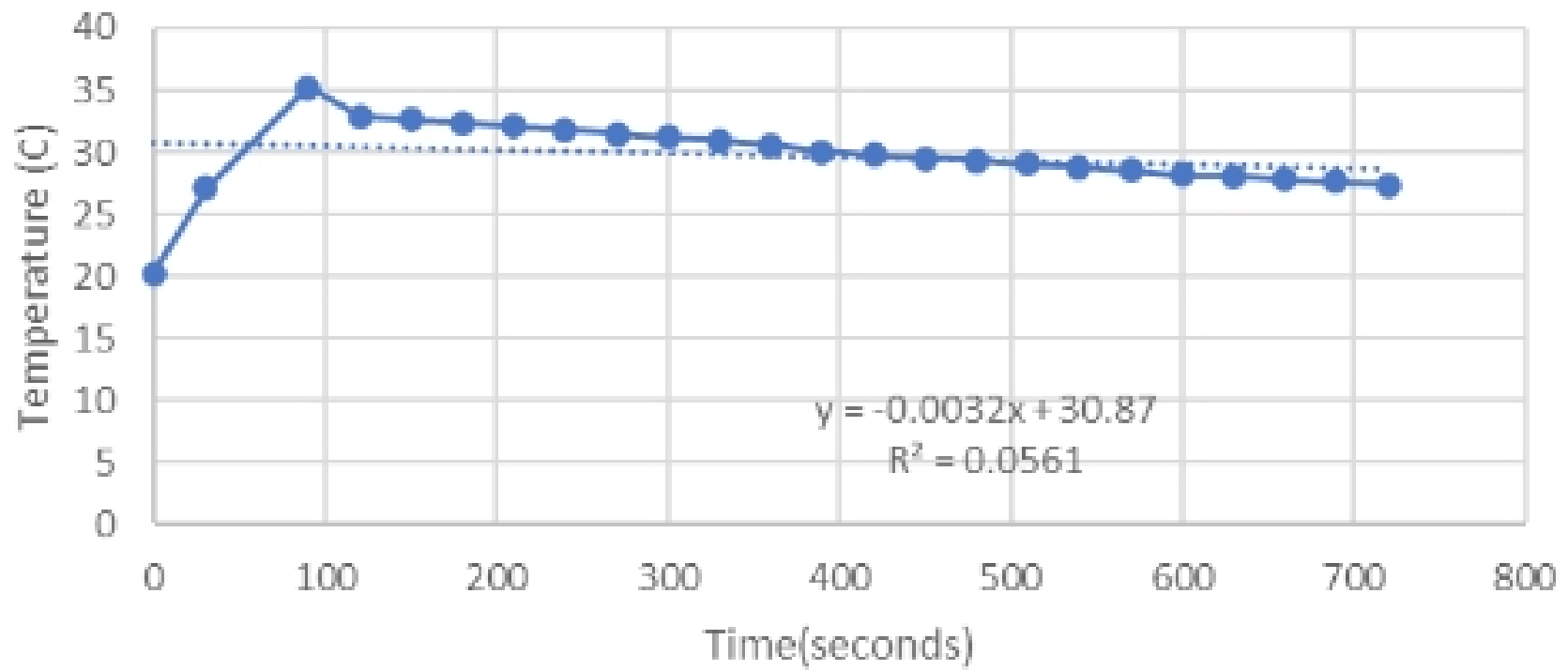


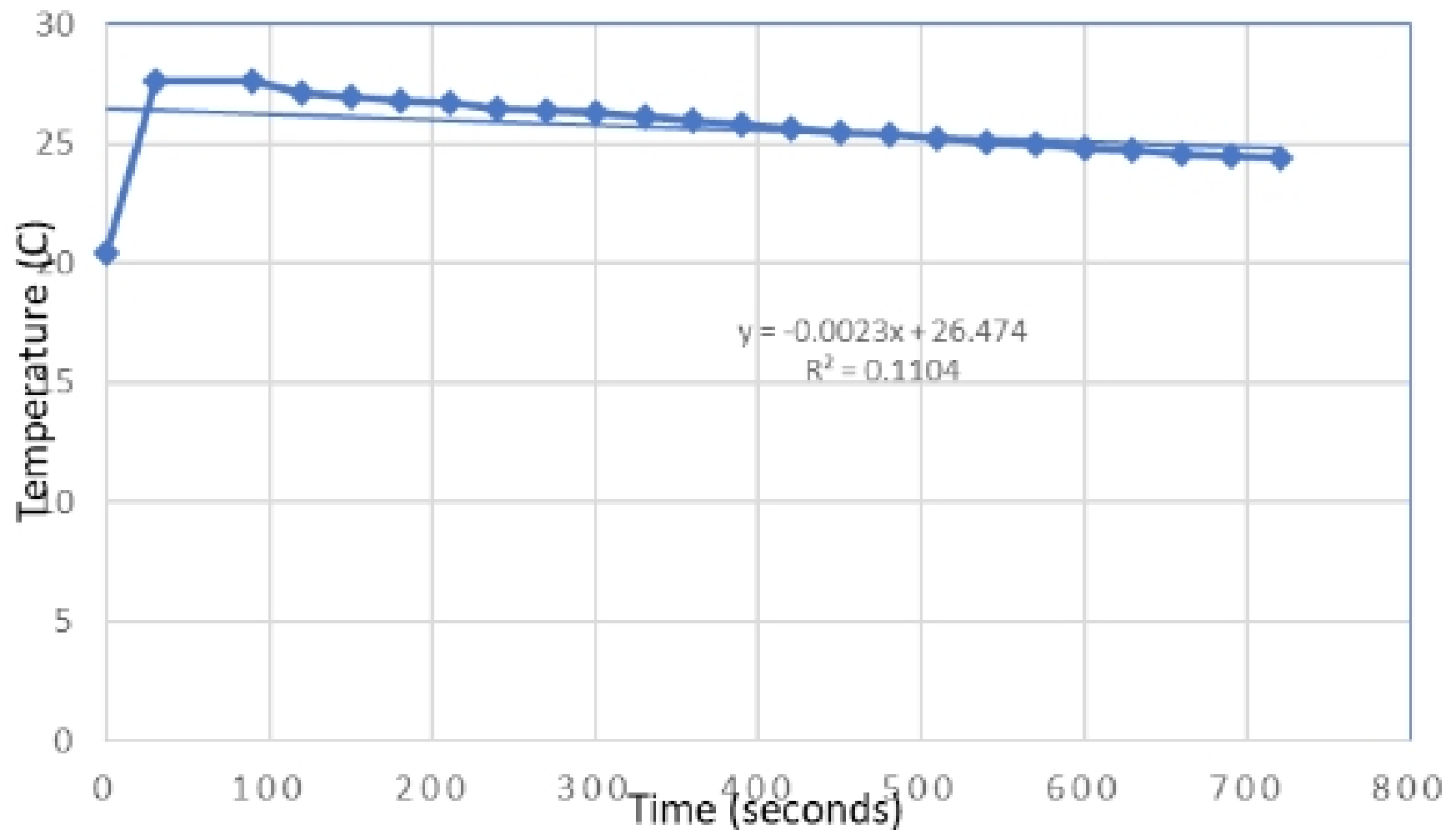
DETERMINATION OF ENTHALPY CHANGE (RIBBON)



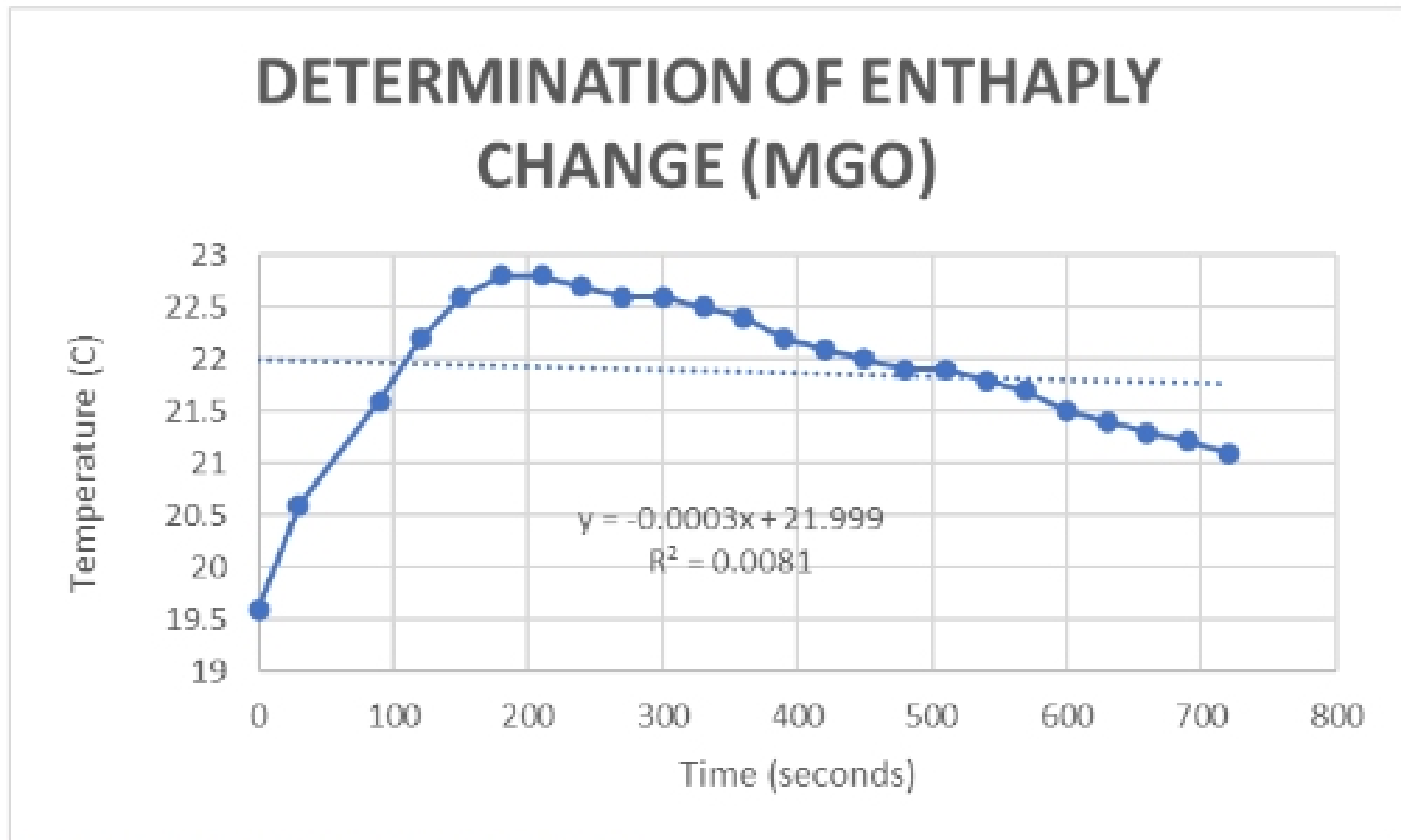
$$q = (27.2 - 20.2)(4.184)((58.76 - 8.79) = 1463.52$$

$$q = mct$$

DETERMINATION OF ENTHALPY CHANGE (HCL)



$$q = (107.99 - 8.3)(4.184)(27.4 - 20.2) = 3003.14$$



$$q = (21.1 - 19.6)(4.184)(57.66 - 9.02) = 305.26$$