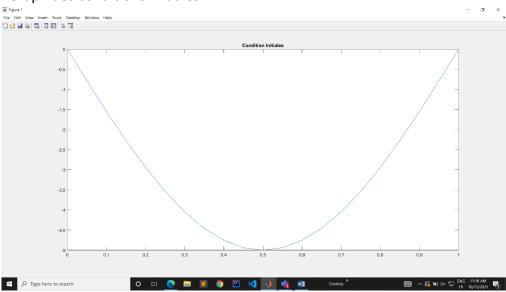
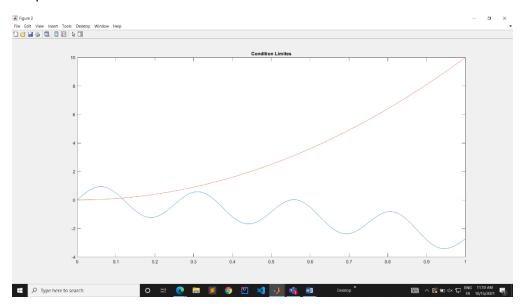
TP note EDP ING2 GMI2 Kamdem Adrien

Equation 1: Conditions aux limites de Dirichlet

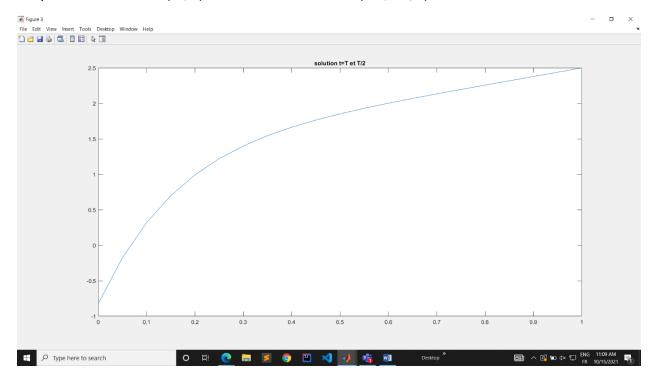
Graph des conditions initiales :



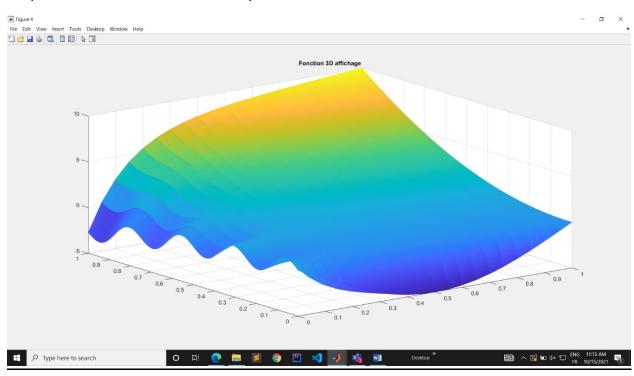
Graph des conditions aux limites de Dirichlet :



Graph de la fonction u(tn,xi) aux instant t différents (t=T,t=T/2) :

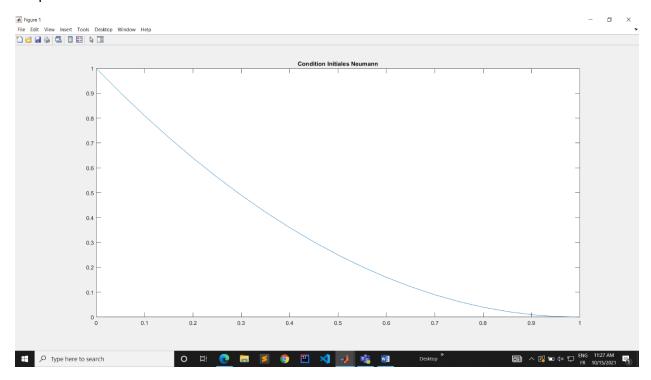


Graph de la surface de la solution du problème :

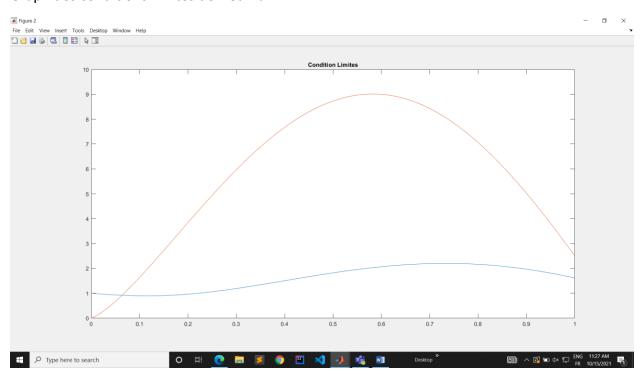


Equation 2: Conditions aux limites de Neumann:

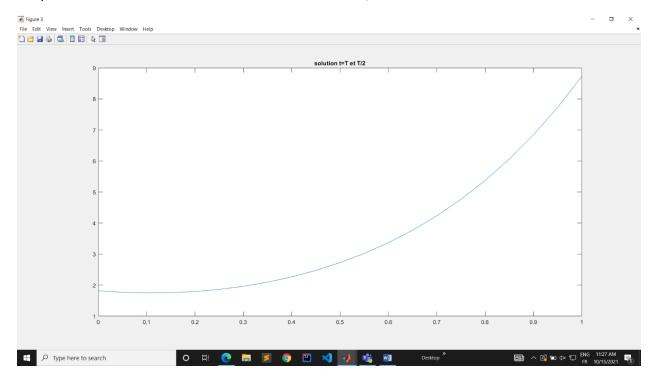
Graph des conditions initiales de Neumann :



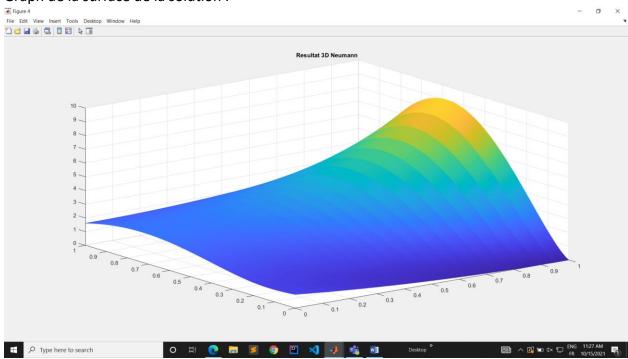
Graph des conditions limites de Neumann :



Graph de de la visualisation de la fonction à t=T et t=T/2 :

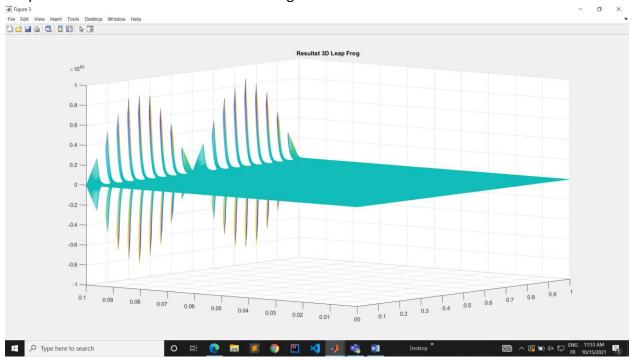


Graph de la surface de la solution :



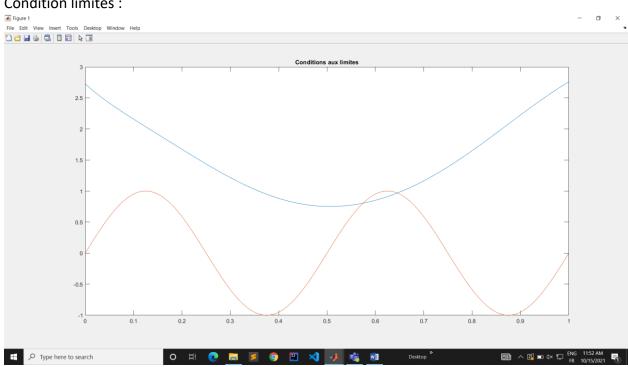
Equation 3 aux conditions de Leap Frog:

Graph de la visualisation de la surface divergente :



Equation 4 aux conditions limites de Neumann et de Dirichlet :

Condition limites:



Graph solution :

