

# Tutorial Fields & PCL

## 1/ Creation d'une Force nodale dependante de la coordonnées X (globale)

Poutre encastrée Libre, chargement dependant de X (modele coque 2D, epaisseur 2)

ICON Fields

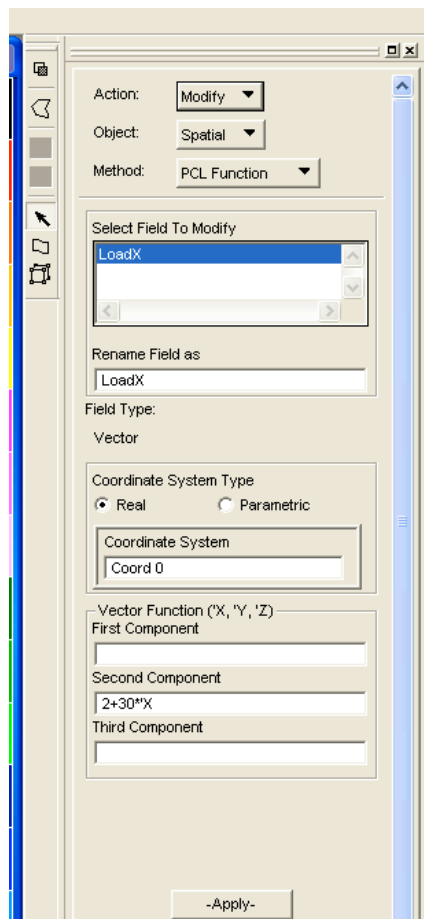
Create/ spatial/ pcl function

Name LoadY(X)

Type Vector

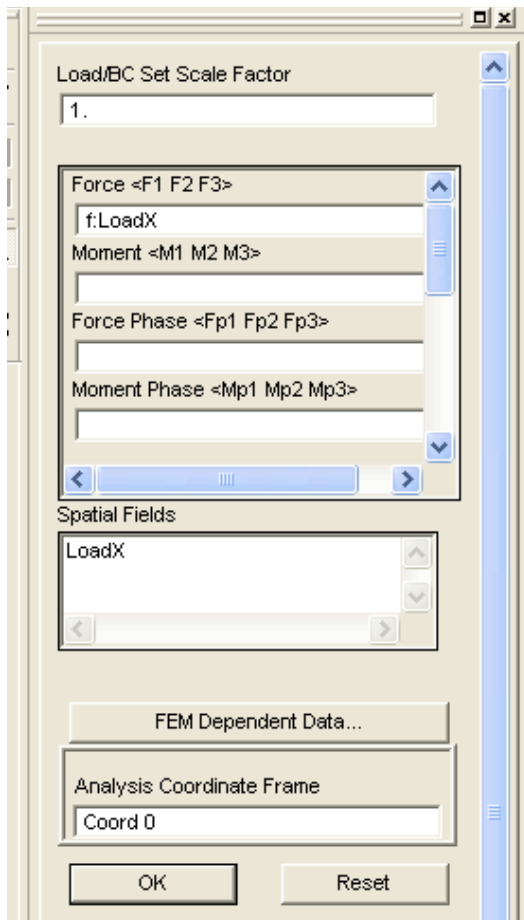
Real Coord 0

Second component  $2+30*X$

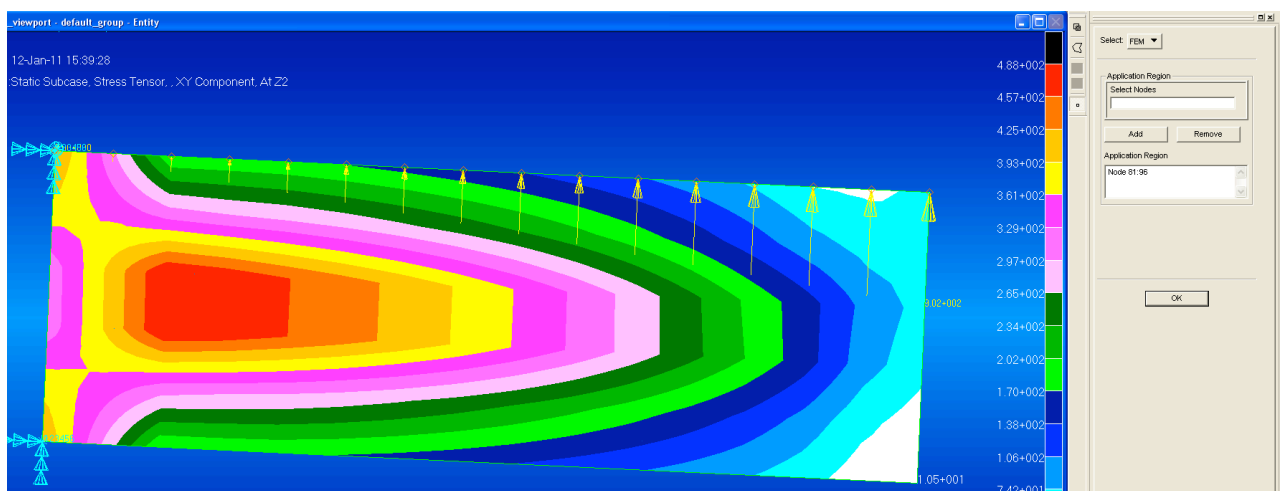


## ICON Load/BC

### Create/ Force /Nodal



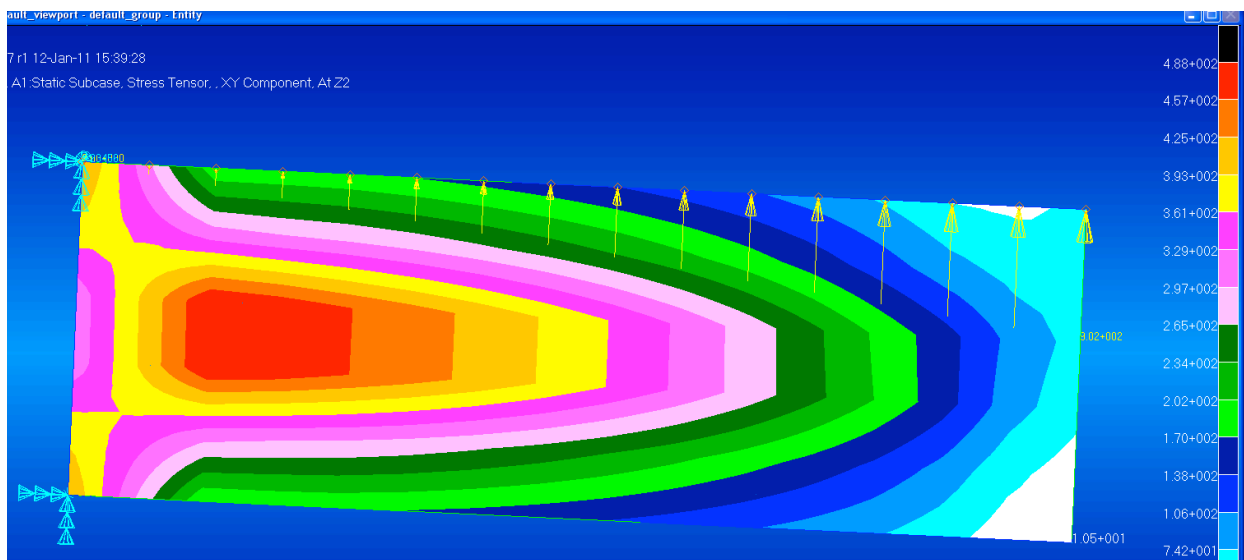
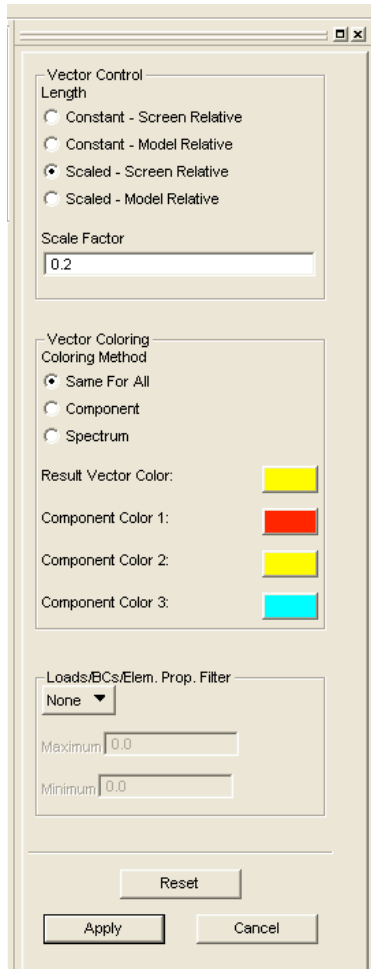
Select application region /FEM : choose node on top of the beam



MENU Display/LoadBC

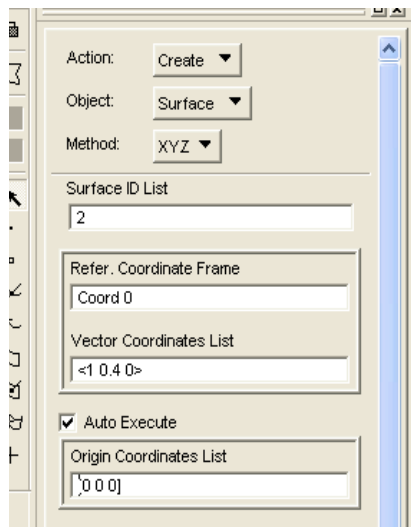
Vector filters

Scaled /screen relative

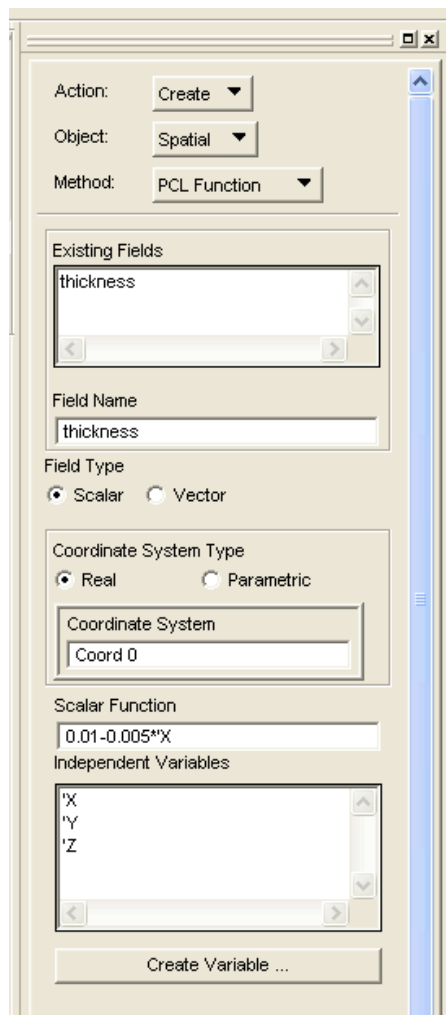


## 2/ Creation d'une plaque à épaisseur variable

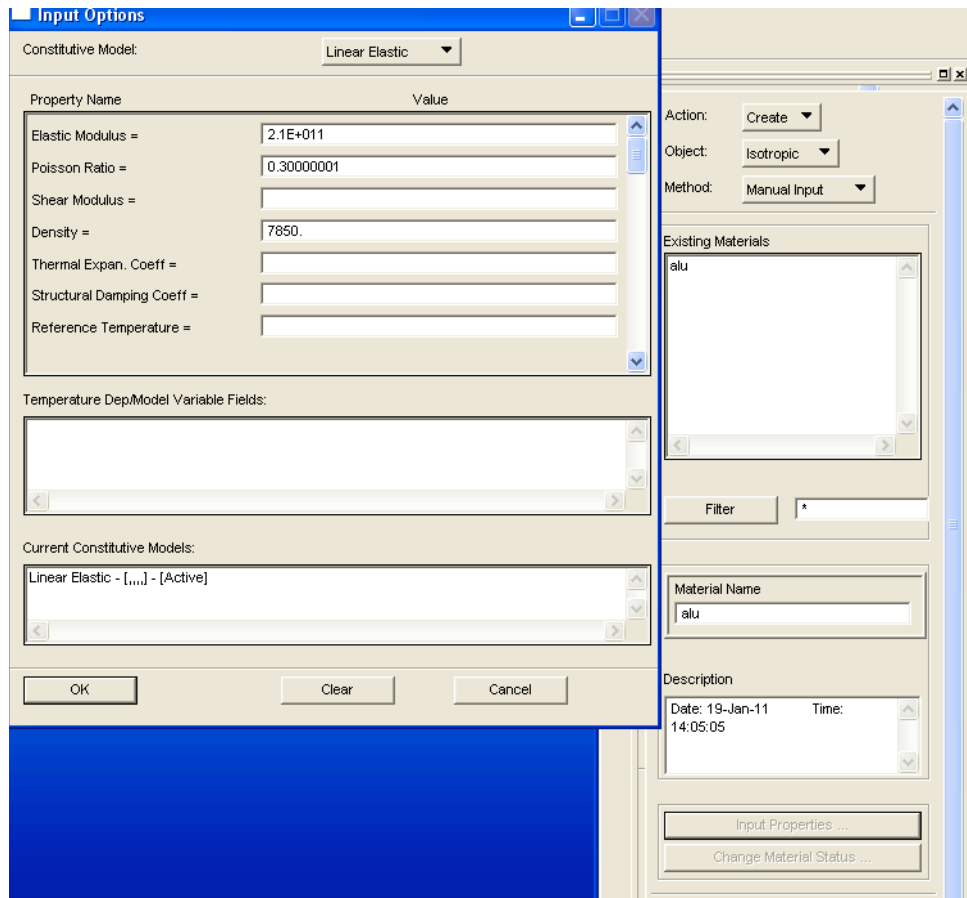
### ICON Geometry



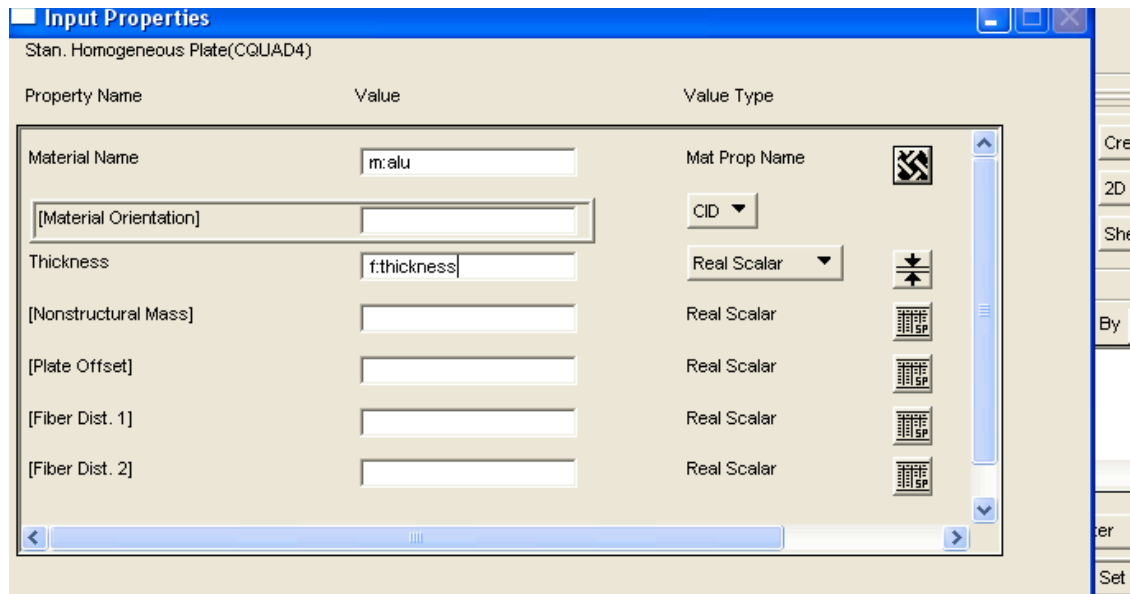
### ICON FIELDS



## CREER le MATERIAUX



## PUIS LES PROPRIETES DES COQUES



Utilities/Properties/3D plate thickness

