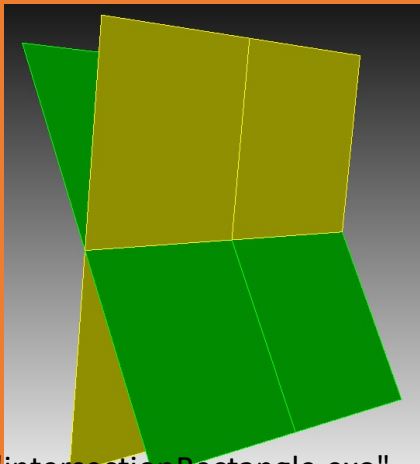
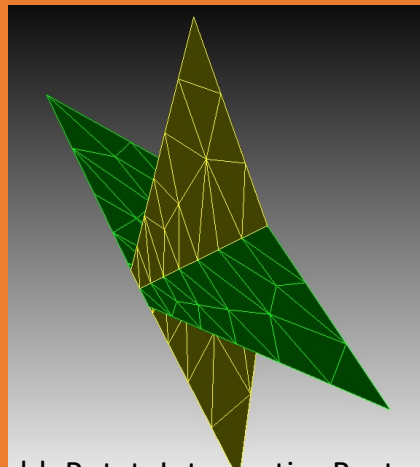


All of the meshes in the mpi_fail folder.
Made with the cubit journal file.

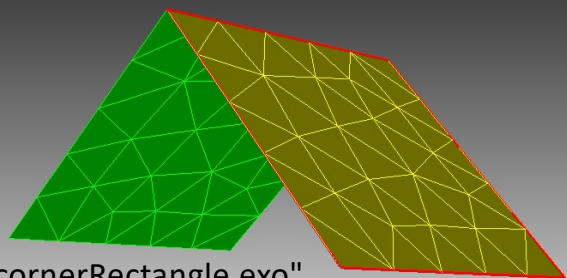
Simple facets made from rectangle



"intersectionRectangle.exo"

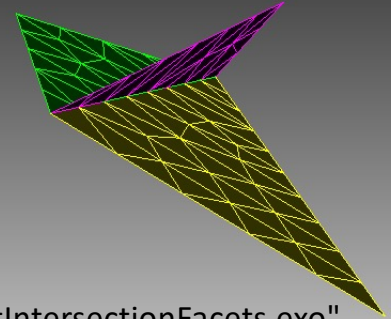


"doubleRotateIntersectionRectangle.exo"

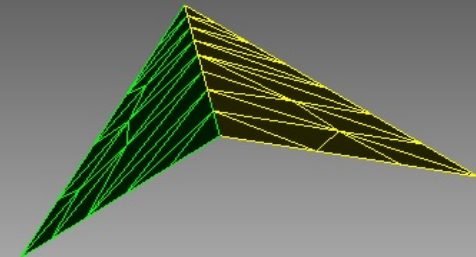


"cornerRectangle.exo"

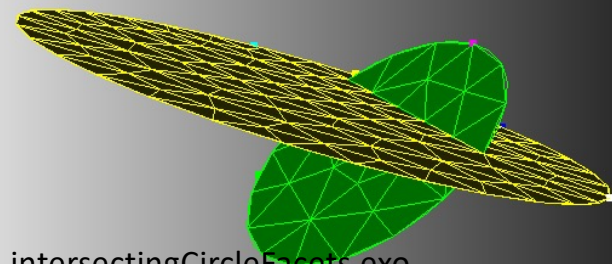
Meshes made from 3
vertices in stl file. I think it
is facets 8 and 19. Needed
intersecting facets



"tIntersectionFacets.exo"

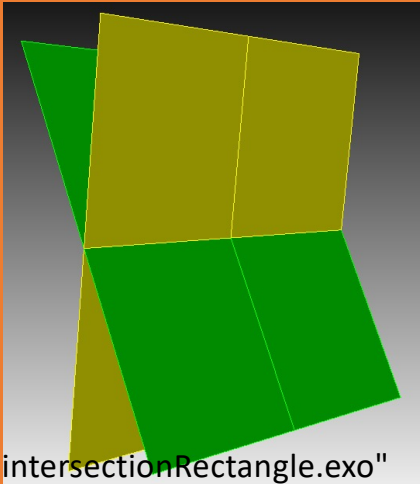


"cornerFacets.exo"

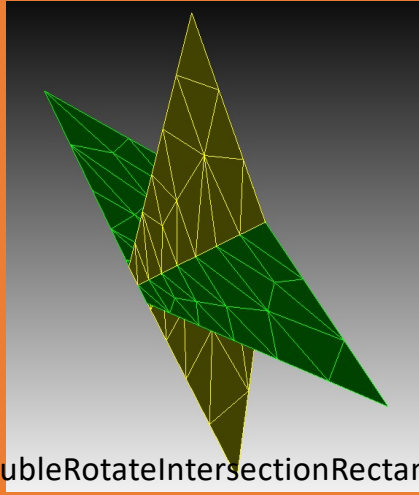


intersectingCircleFacets.exo

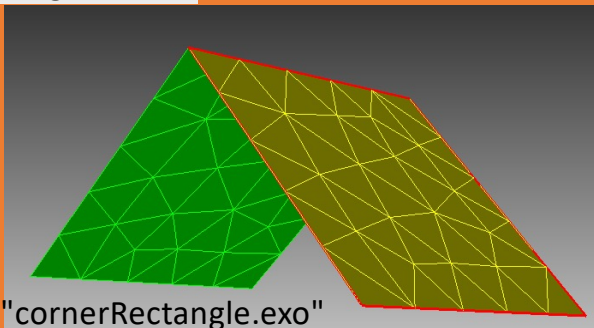
Simple facets made from rectangle



"intersectionRectangle.exo"



"doubleRotateIntersectionRectangle.exo"



"cornerRectangle.exo"

Rectangle Mesh Results:

Change exodus file in rectangles.i and run

"intersectionRectangle.exo".

See Results

Passes on 2Procs

Fails on 3procs

"doubleRotateIntersectionRectangle.exo"

Passes on 12 procs

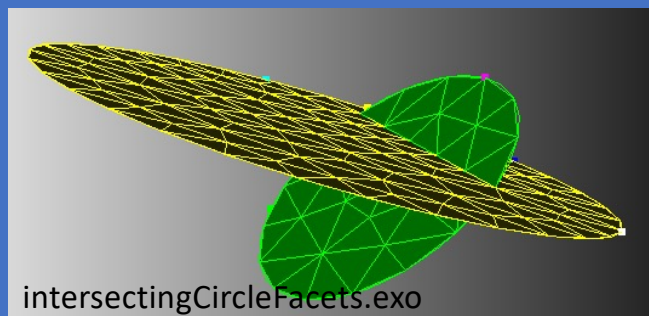
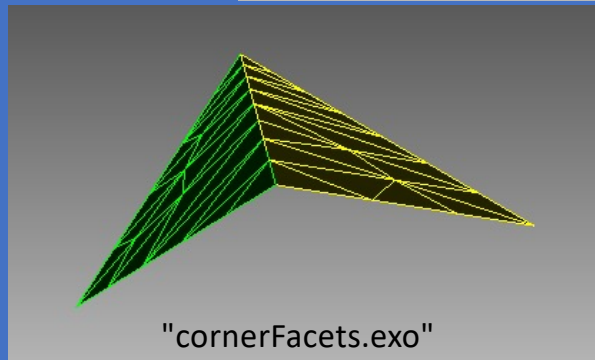
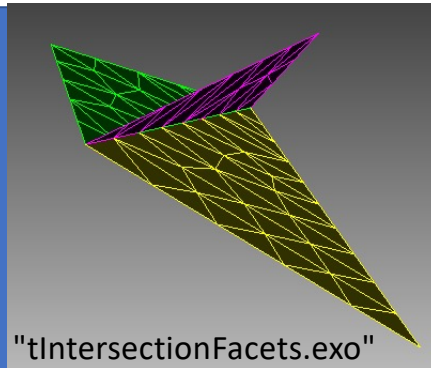
Fails on 2-11 procs

"cornerRectangle.exo"

See Results

Always Passes

Meshes made from 3 vertices in stl file. I think it is facets 8 and 19. Needed intersecting facets



Rectangle Mesh Results:

Change exodus file in facets.i and run

" cornerFacets.exo".

Always Passes

" tIntersectionFacets.exo"

See Results

Passes on 11&12 procs

Fails on 2-10 procs

" intersectingCircleFacets.exo"

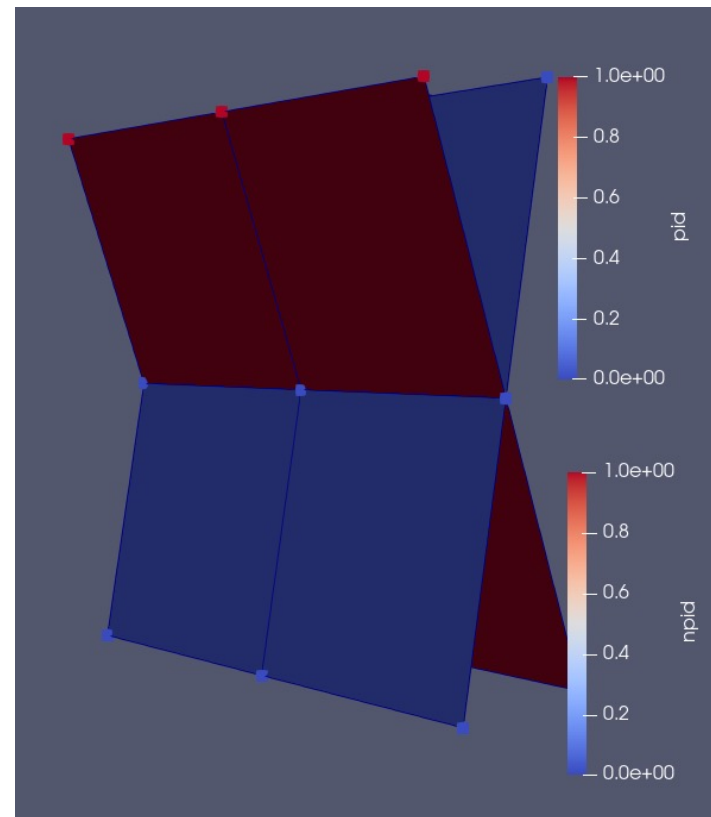
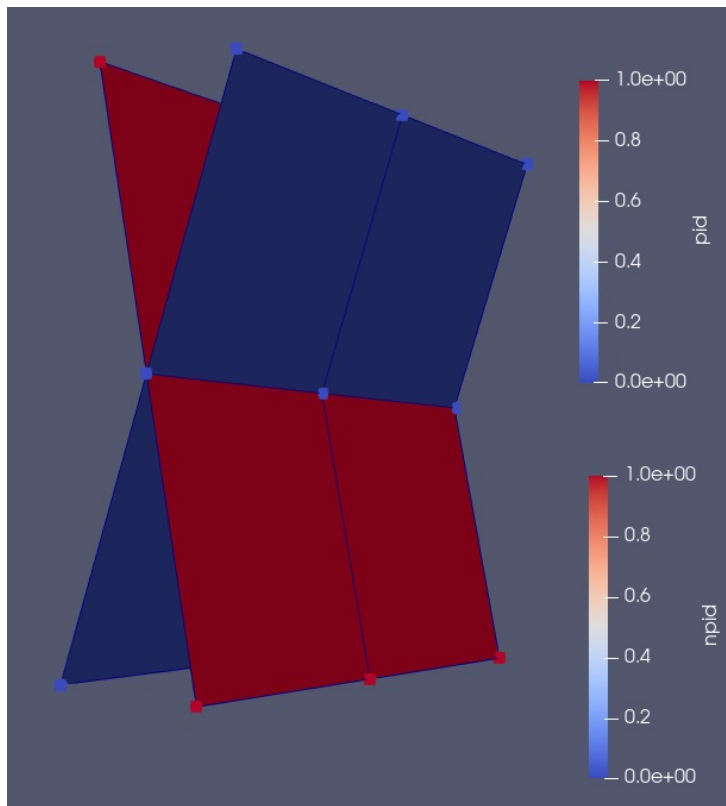
Always Fails I think

intersectionRectangle.exo

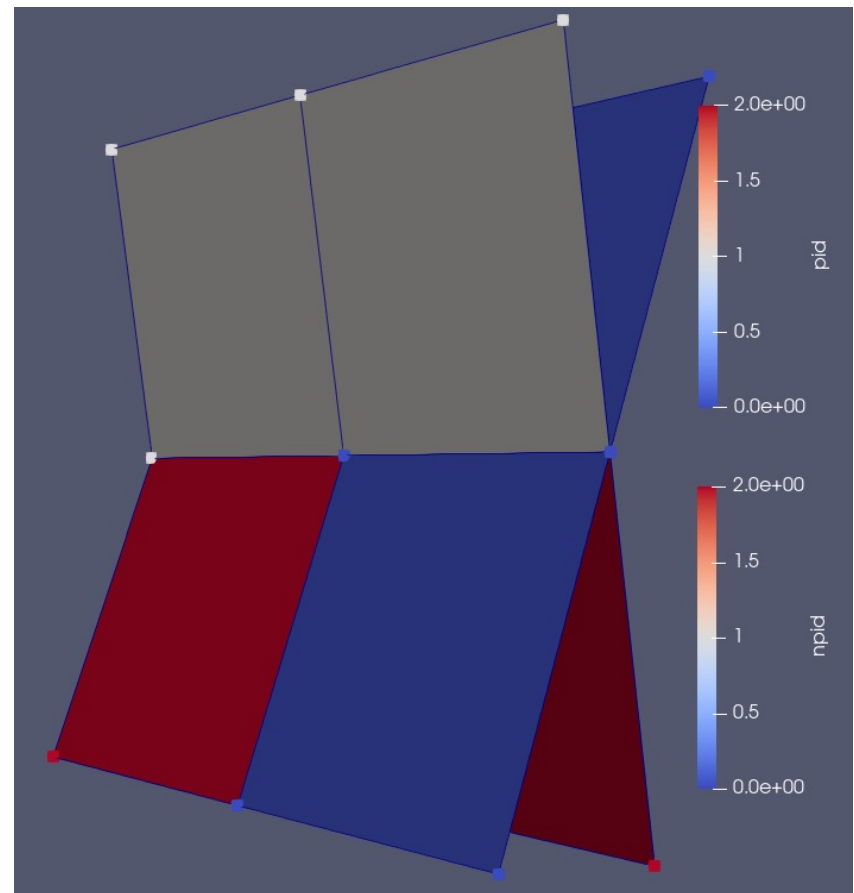
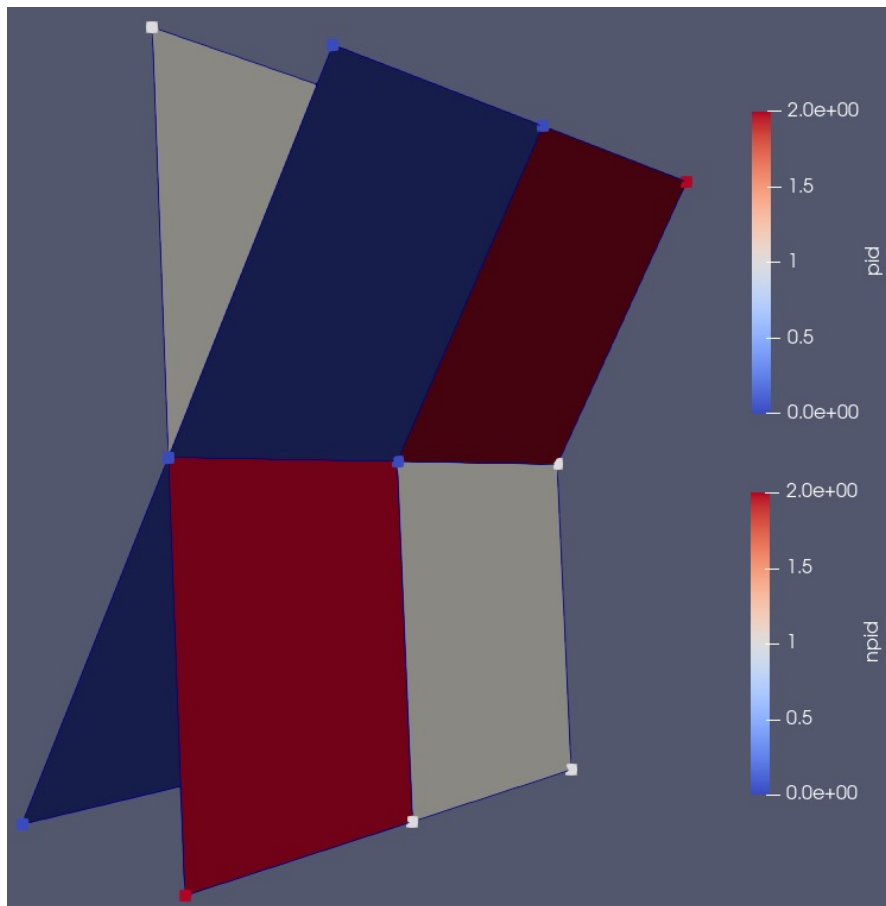
2 Procs. Pass

npid is the processor id for the node

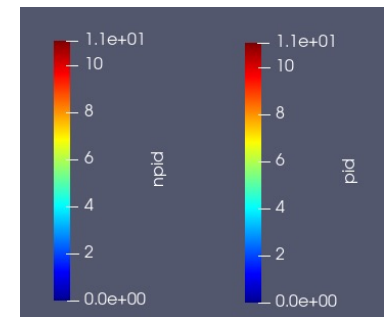
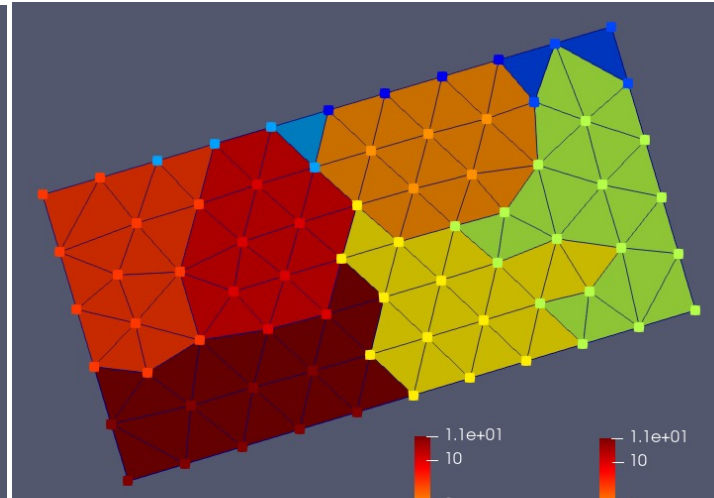
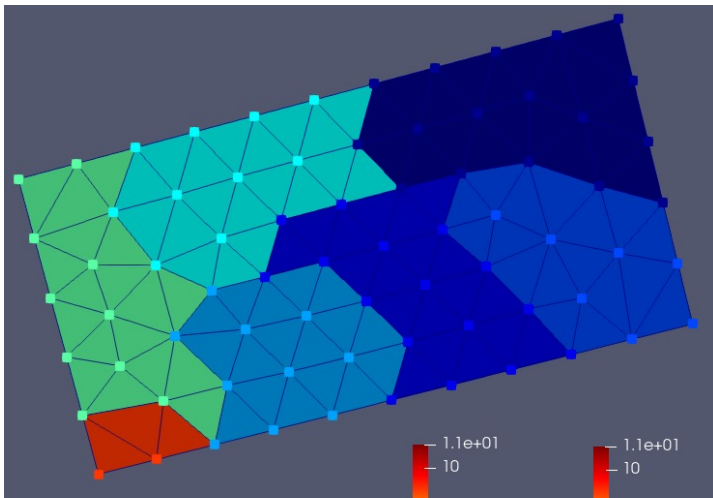
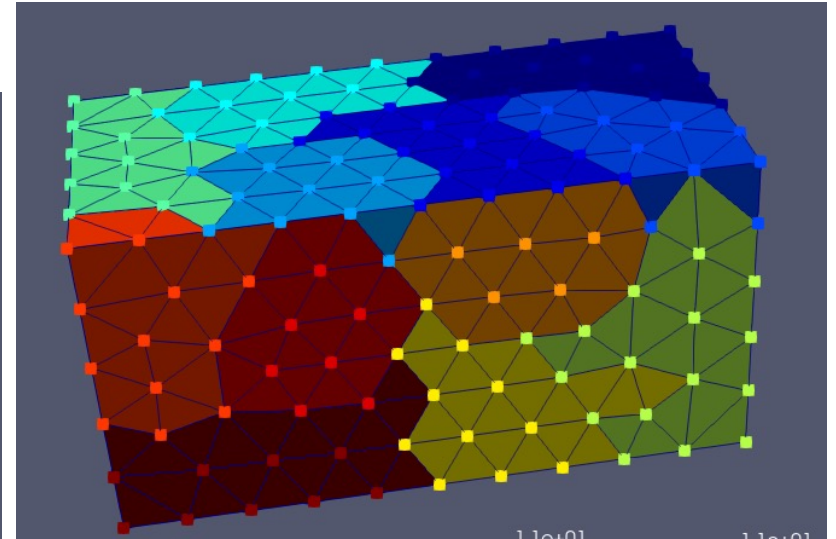
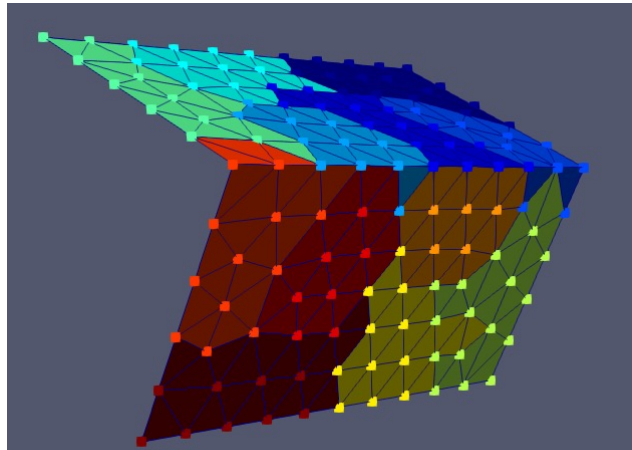
pid is the processor id for the element



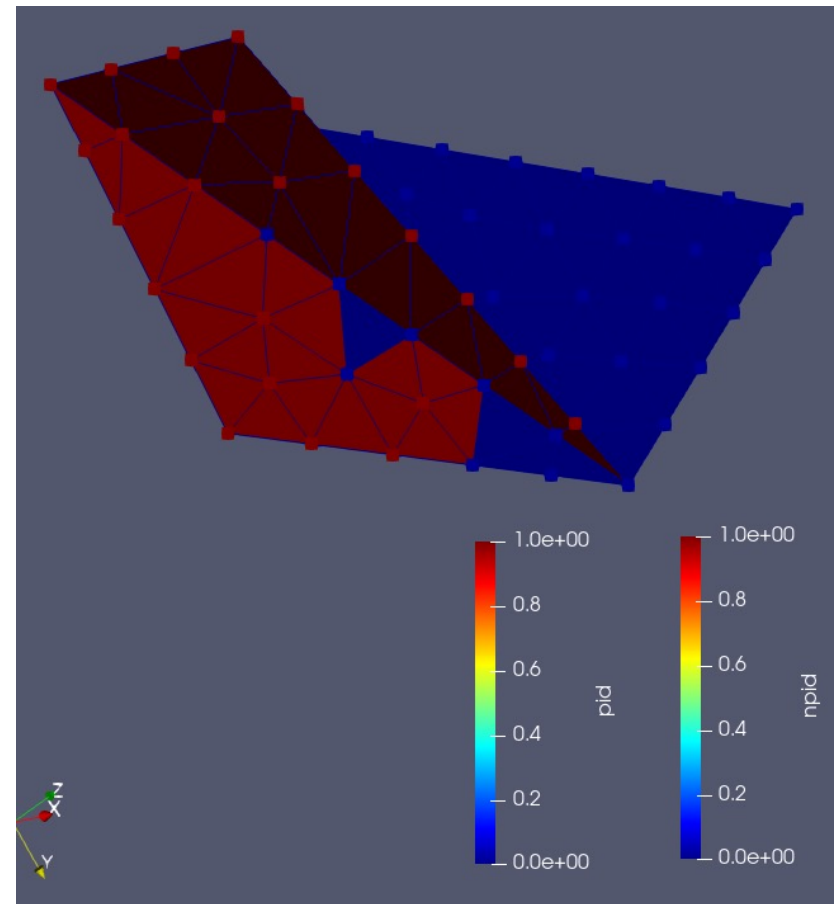
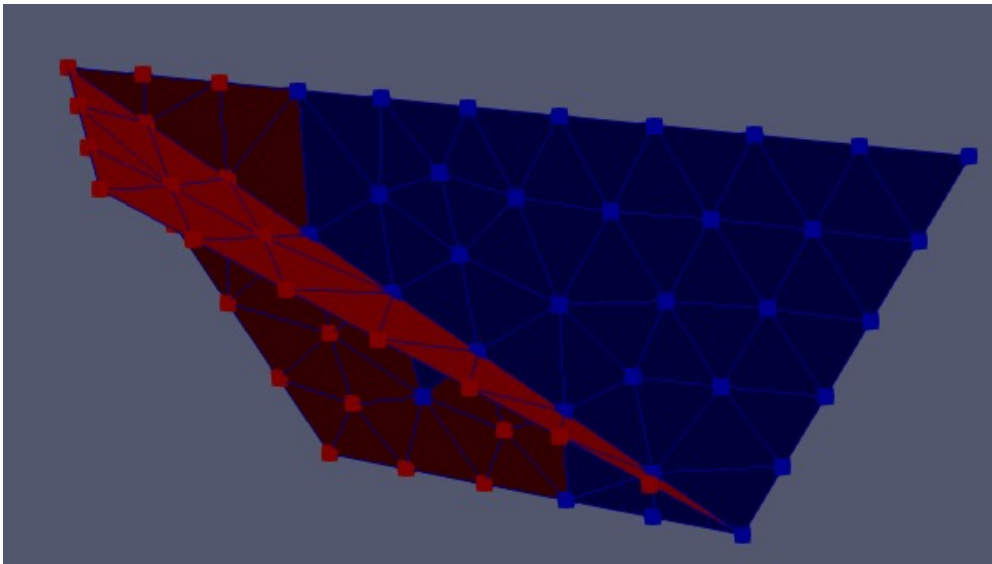
intersectionRectangle.exo
3 Procs. Fail



cornerRectangle.exo
2-12 Procs. All pass.
Pictures of 12 procs



tIntersectionFacet.exo.
2 Procs. Fails.
3 procs also fails



tIntersectionFacet.exo.
2 Procs. Fails.
3 procs also fails

