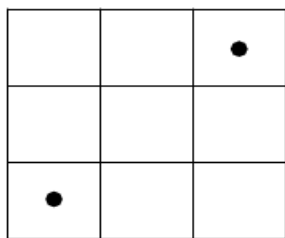
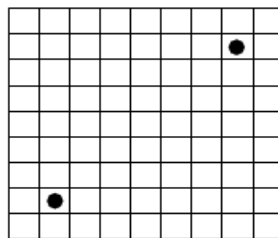


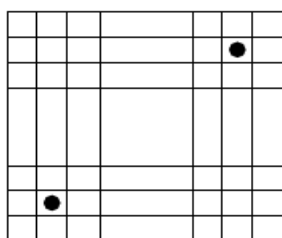
Algunas posibles mallas en 2D y 3D



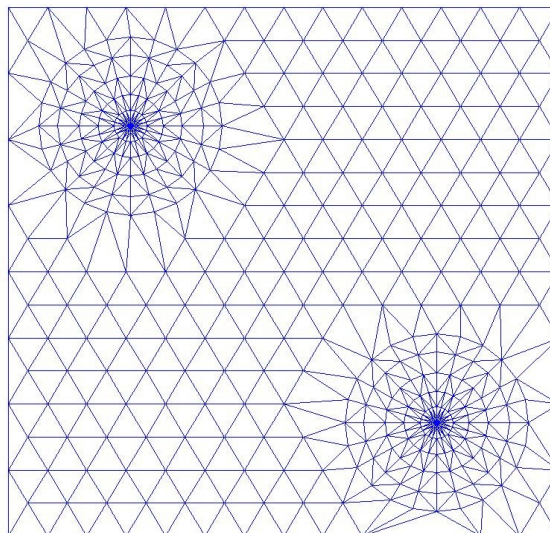
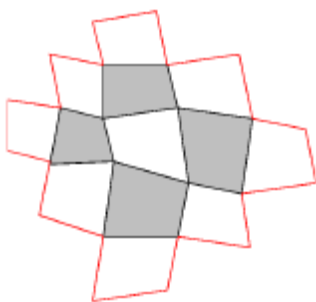
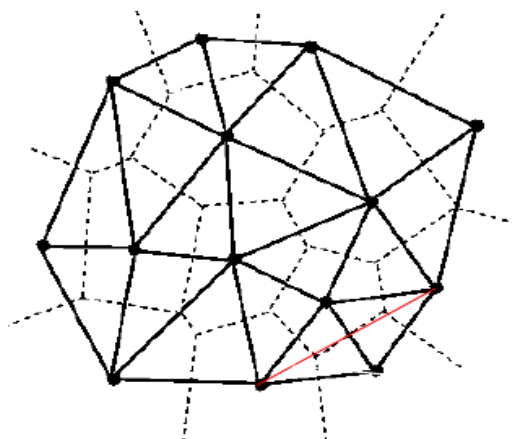
(a) Coarse Grid: 3x3

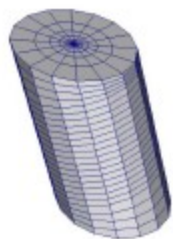


(b) Fully Refined Grid: 9x9

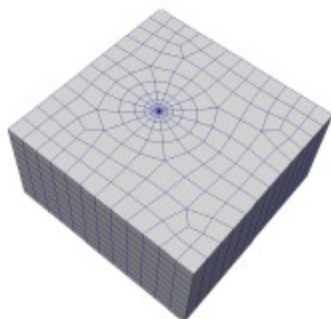


(c) Conventional
Refined Grid: 7x7

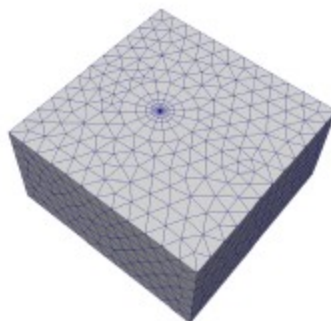




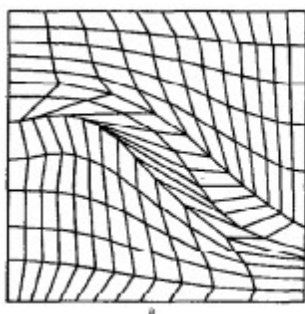
(a) exponentially re-
fined radial mesh



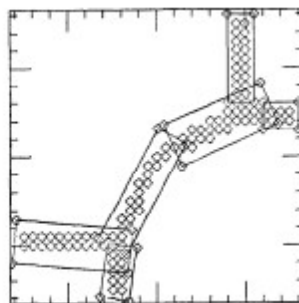
(b) unstructured mesh with only
hexahedra



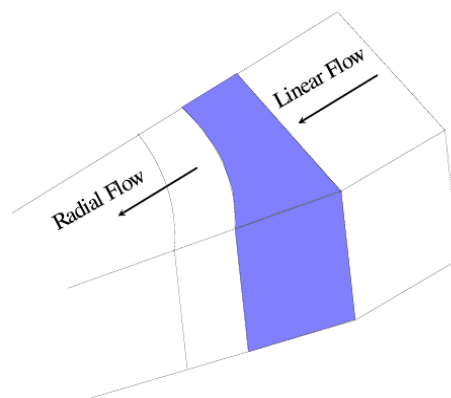
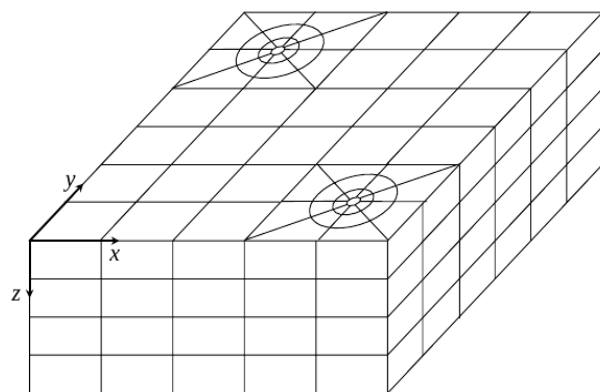
(c) hybrid mesh with hexahedra,
tetrahedra and pyramids

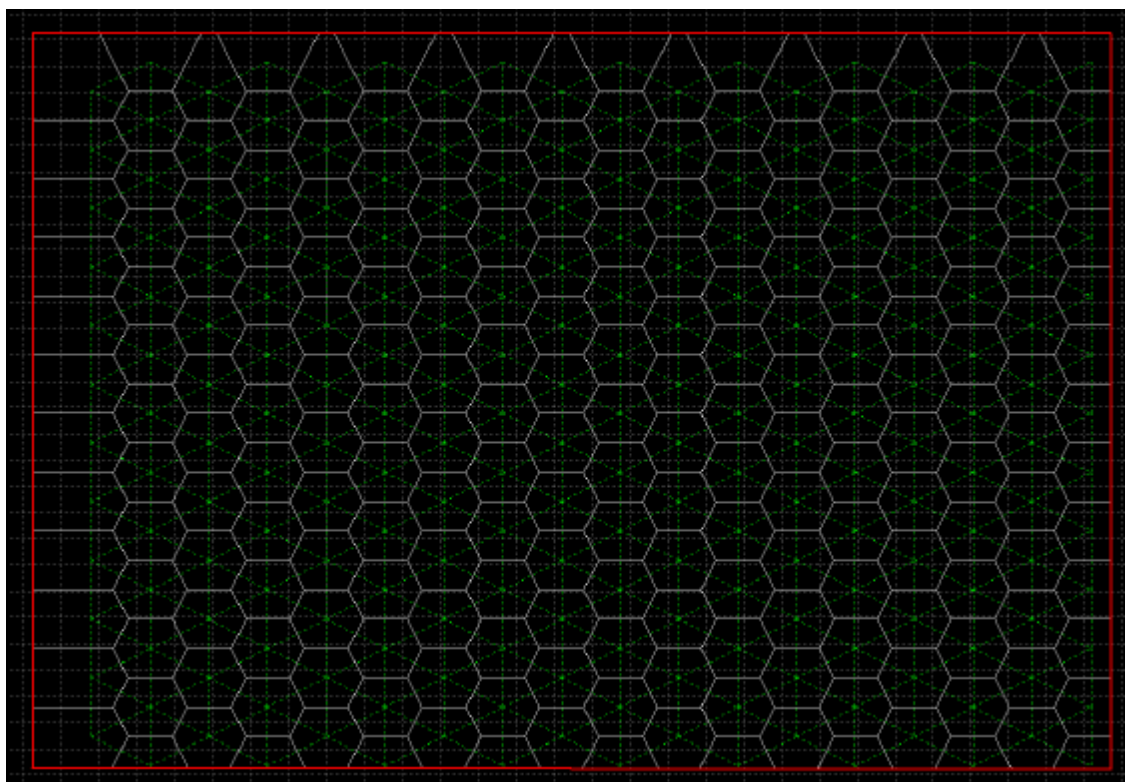
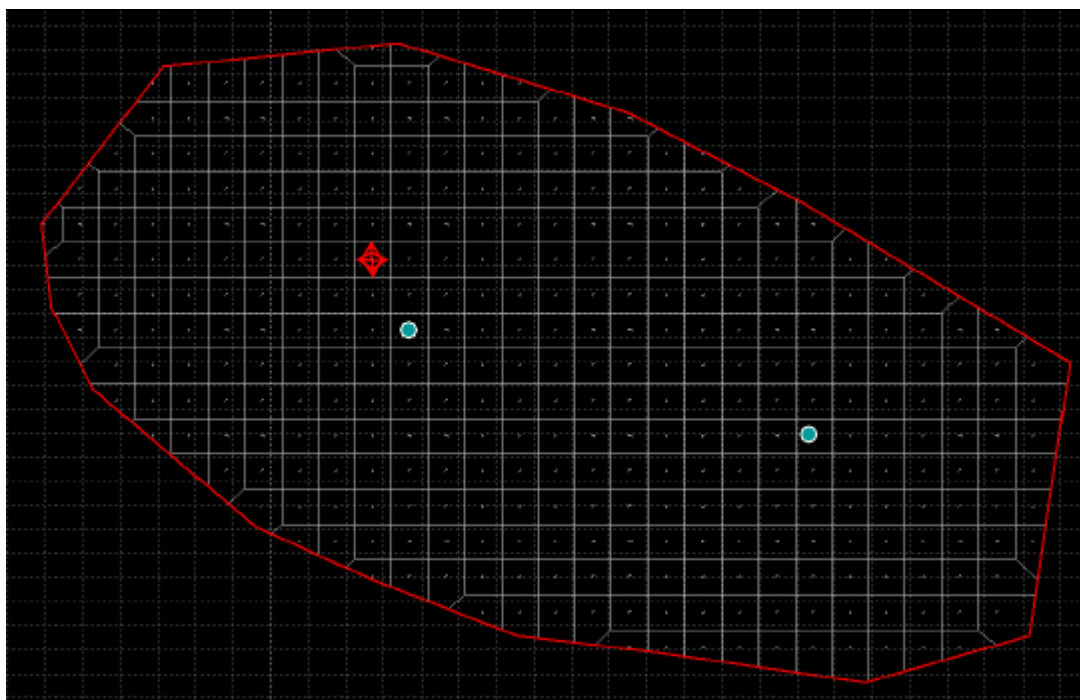


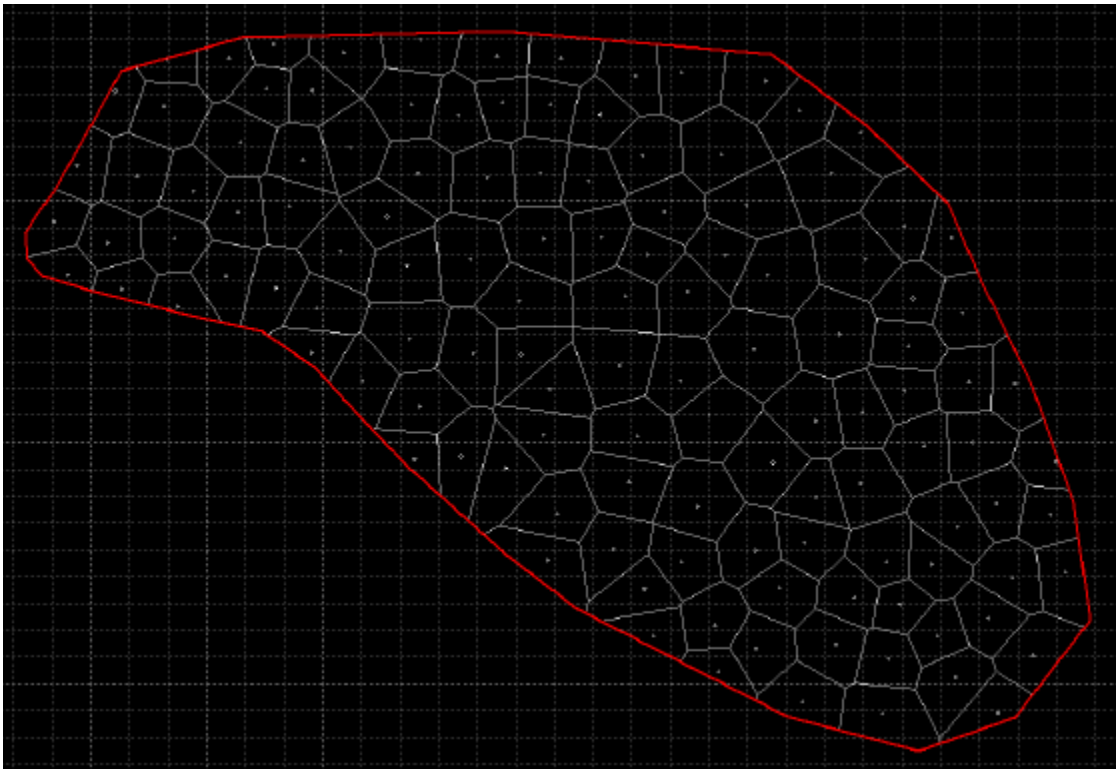
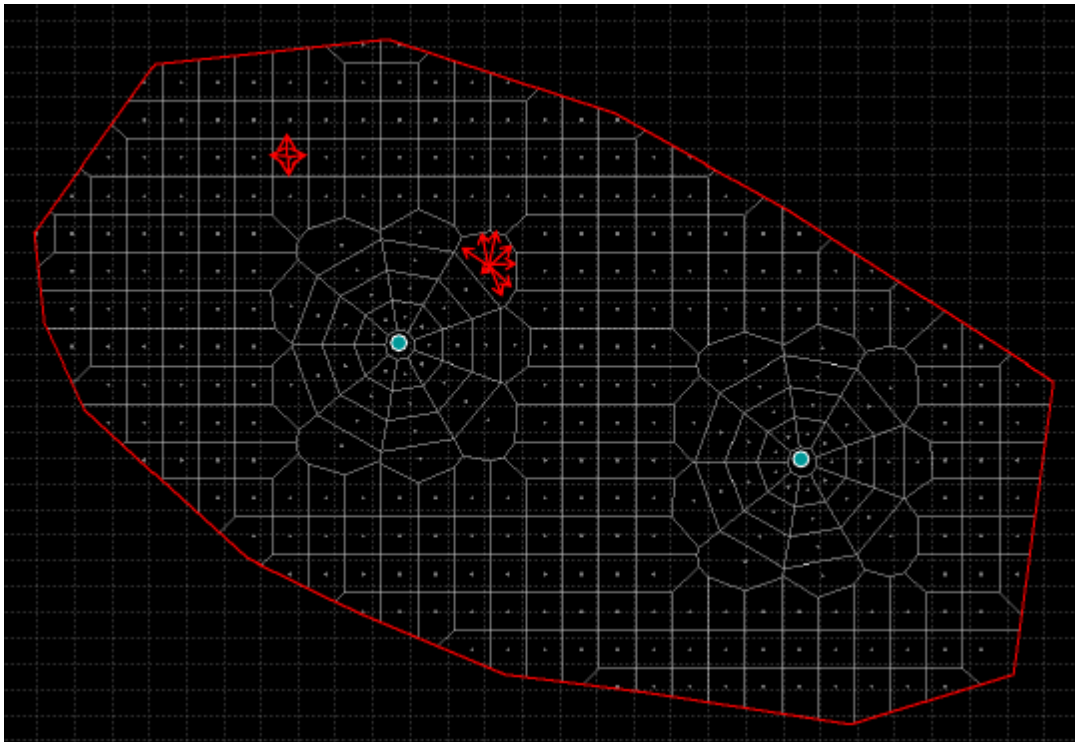
a

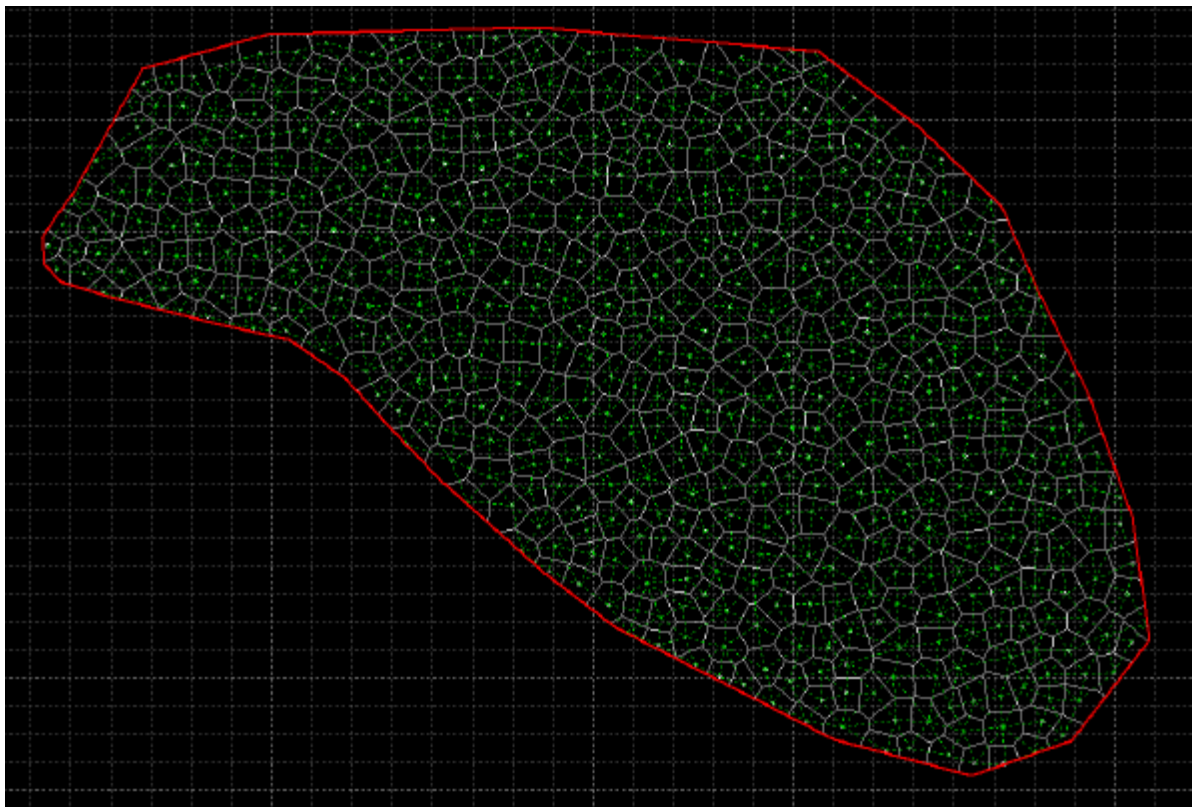
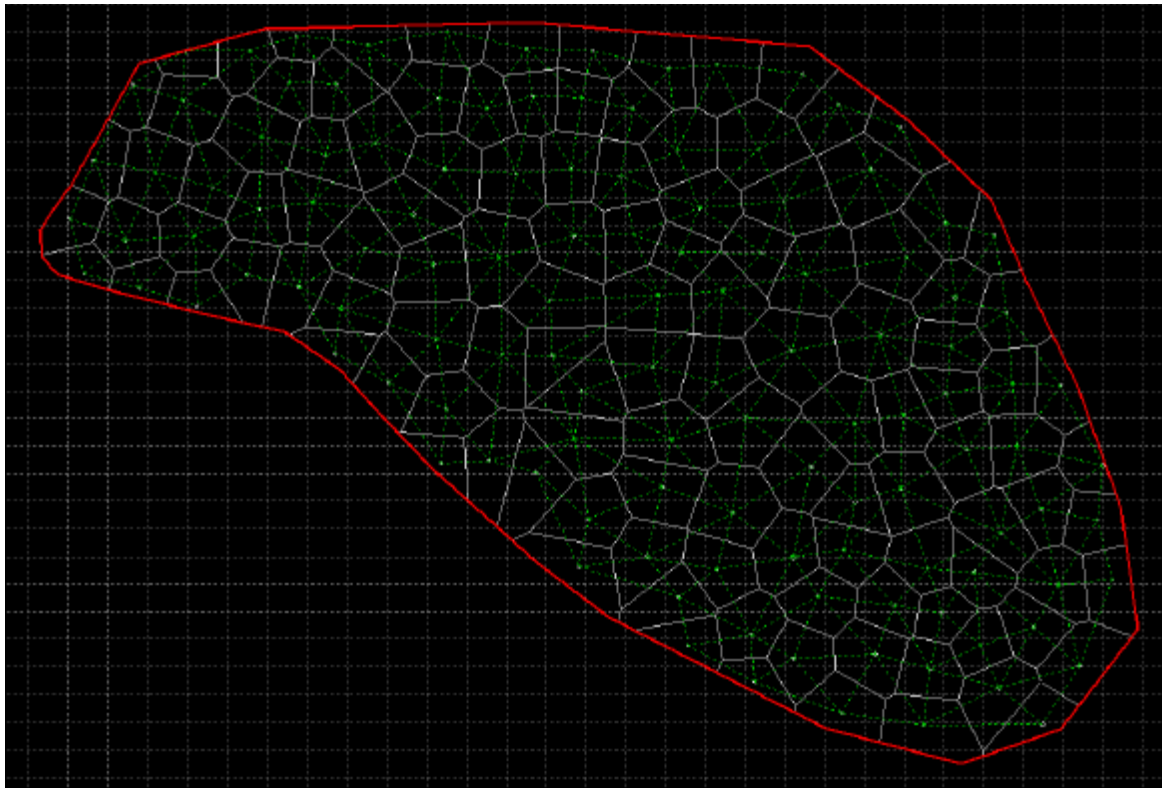


b

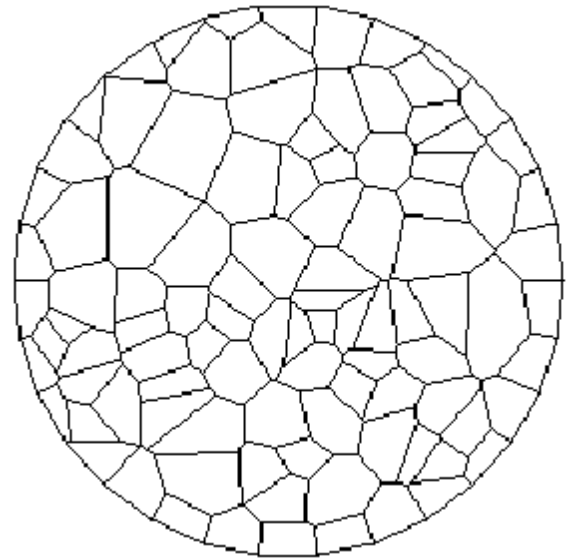
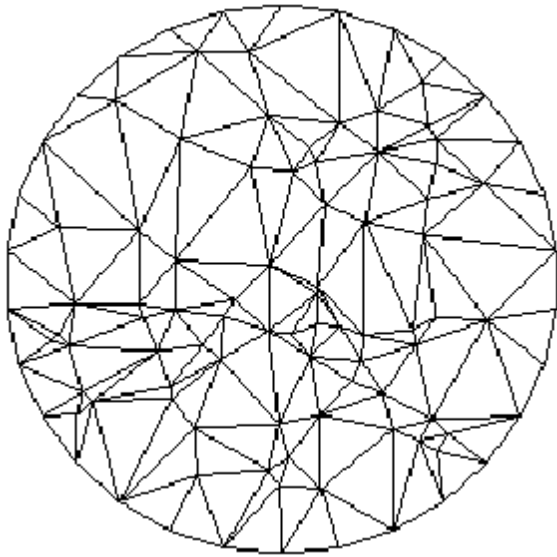




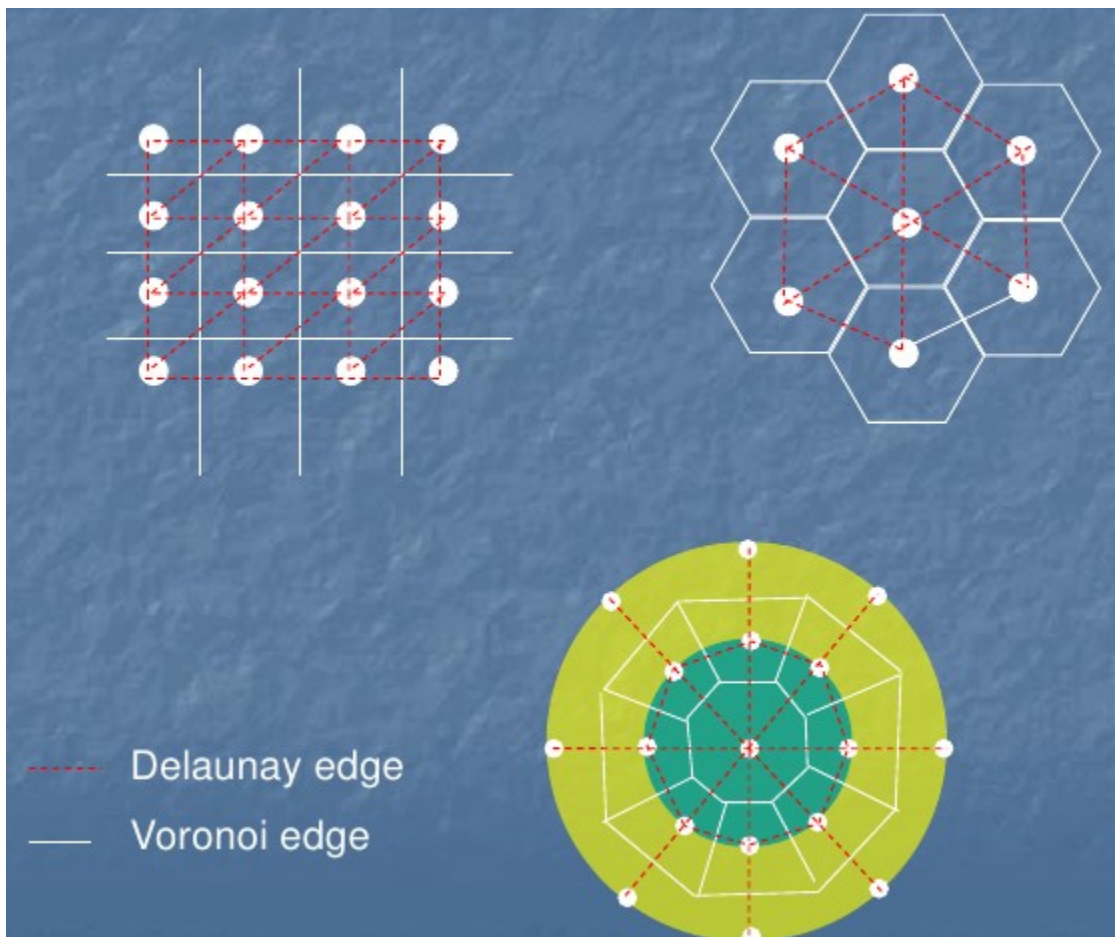


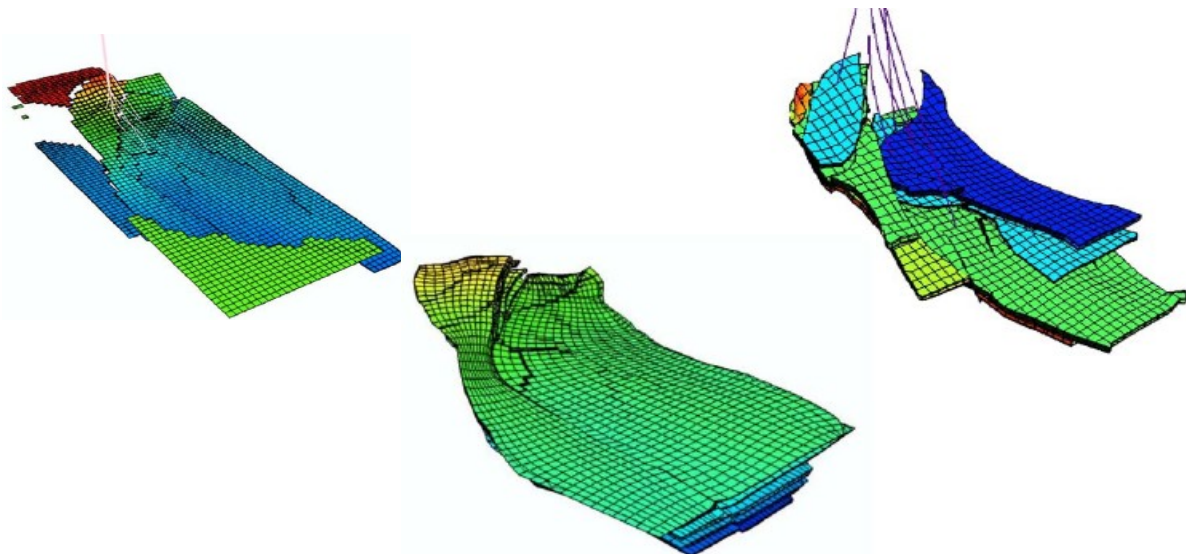
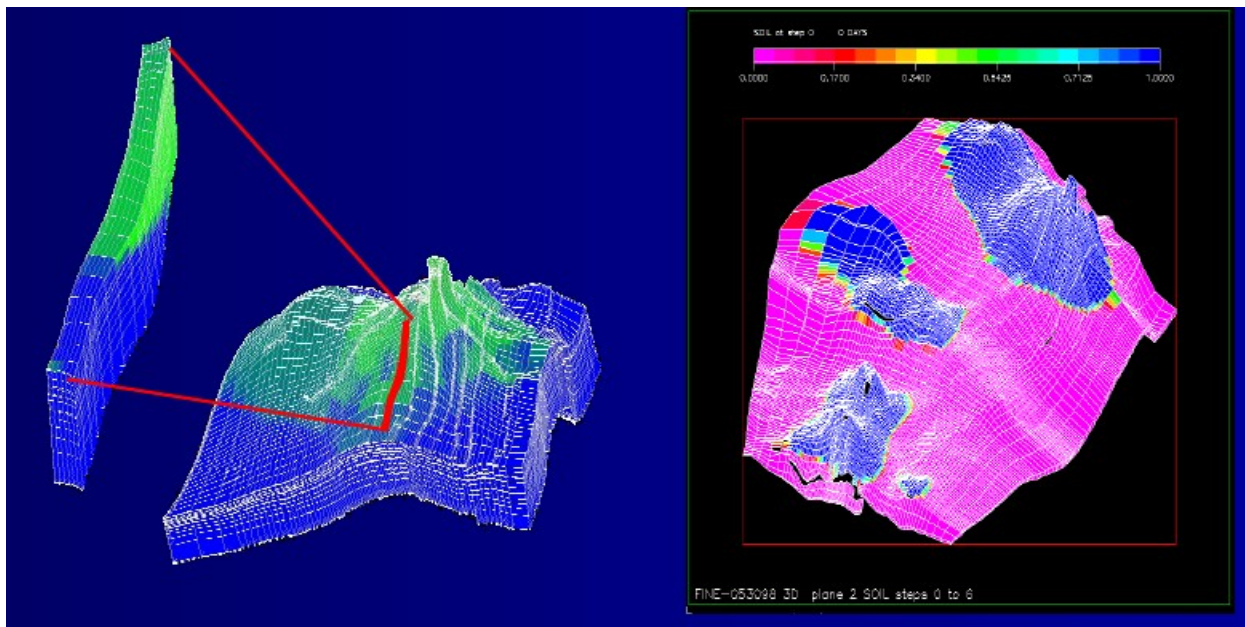
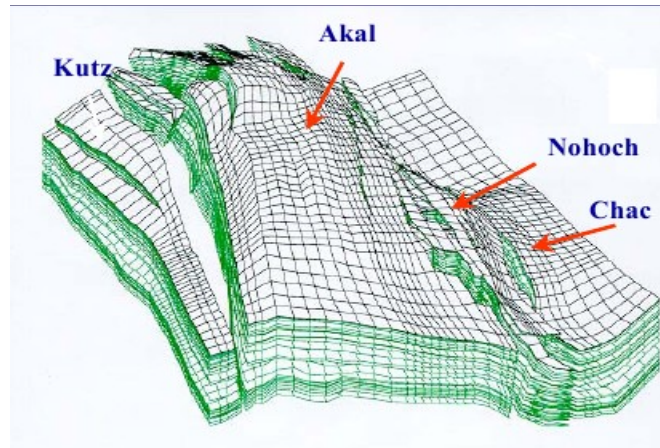


Algunos tipos de triangulación como son Delaunay y Voronoi

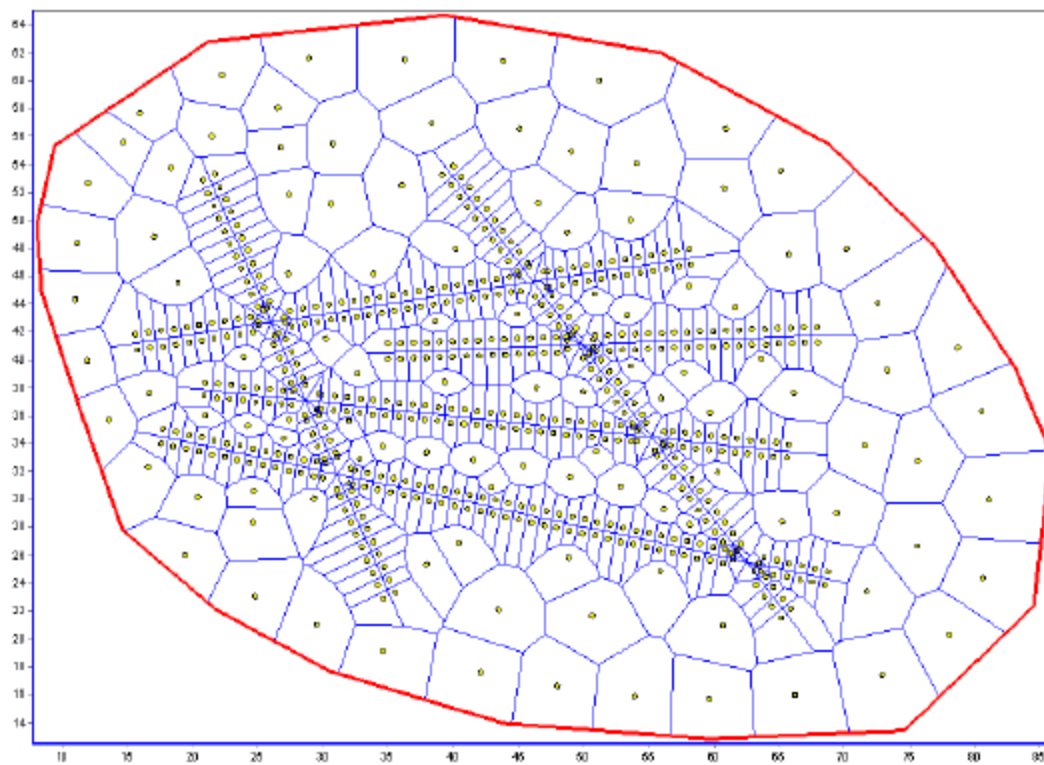
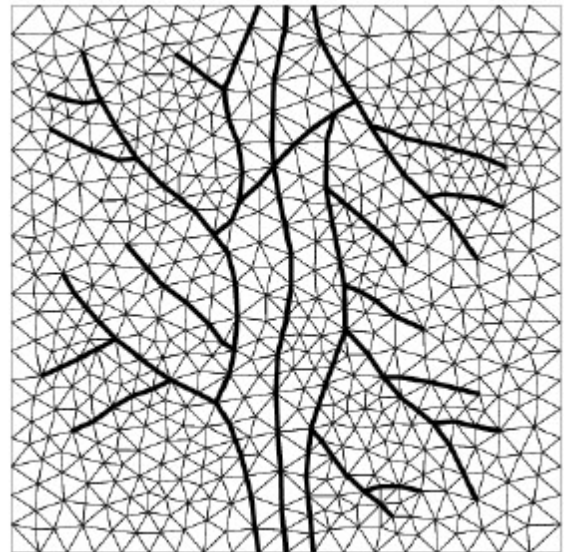
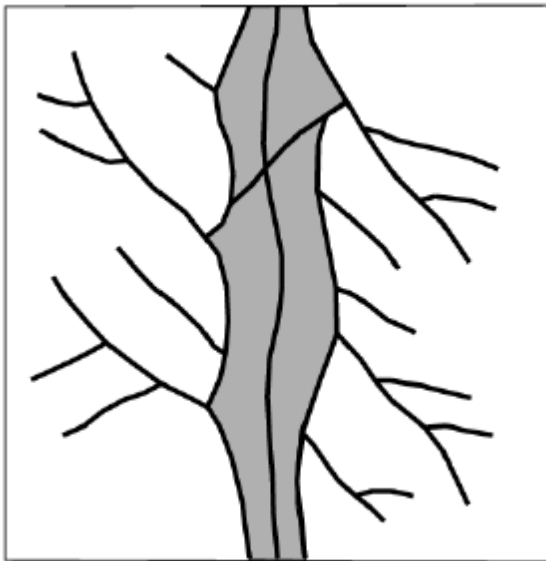


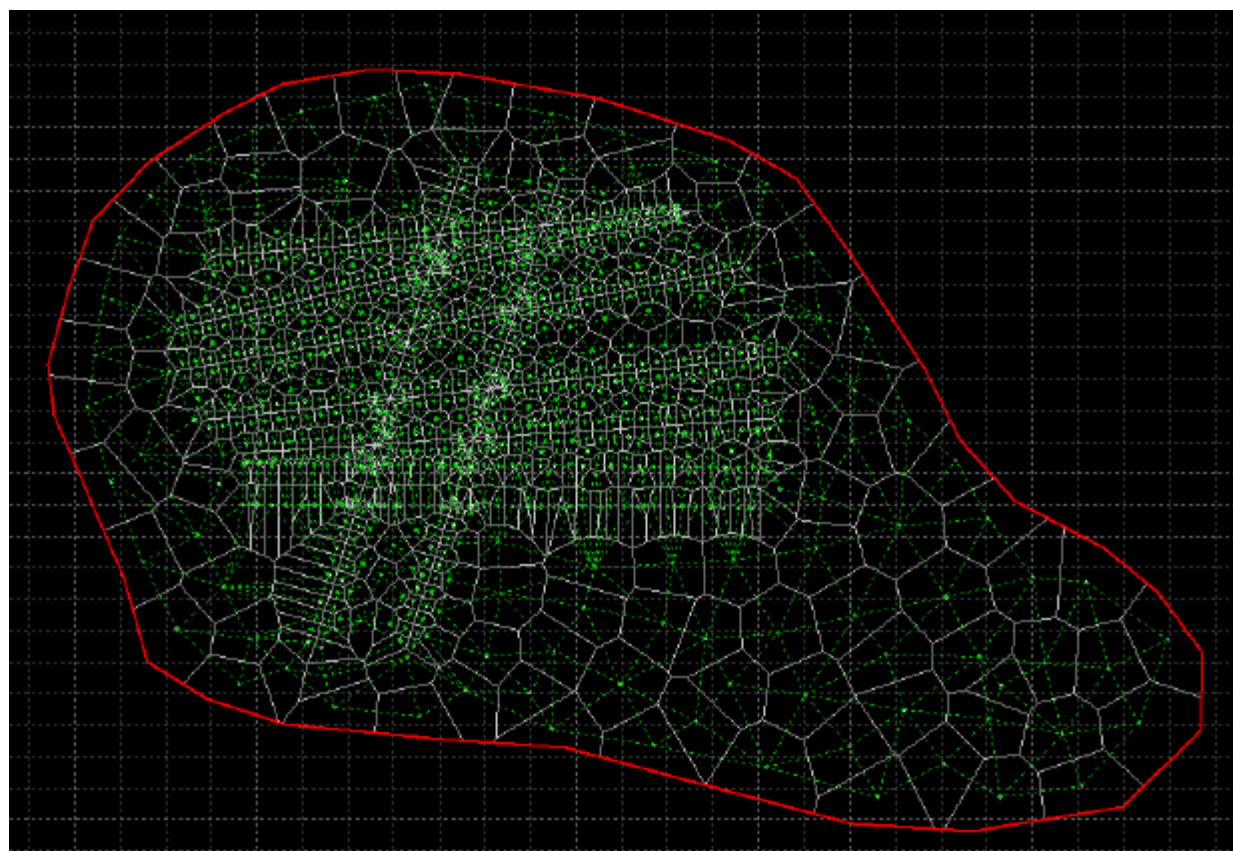
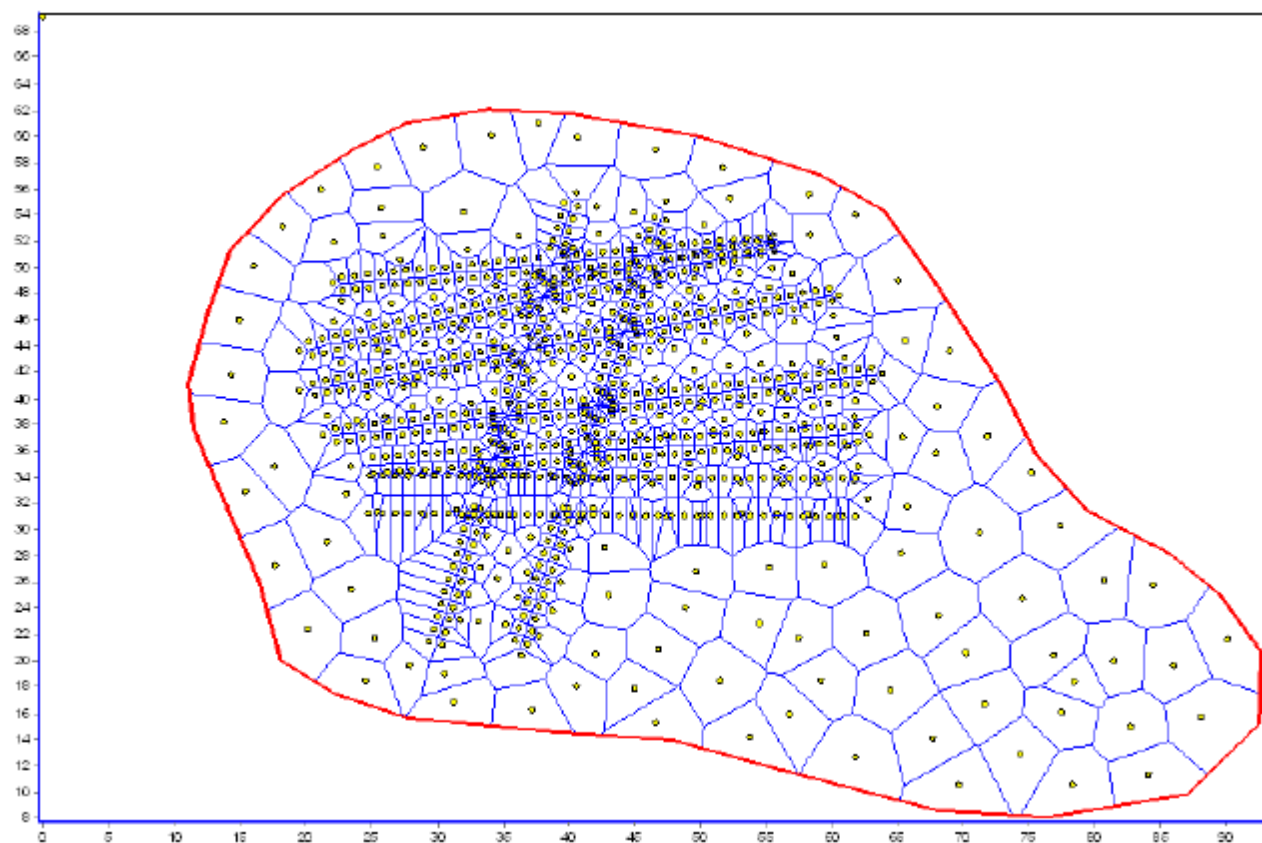
Refinamientos





Algo sobre mallas en Fracturas





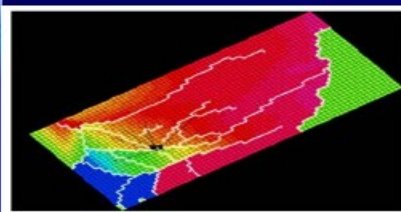


Figure 3a: Rectangular Grid - Zone 1 (Areal View)

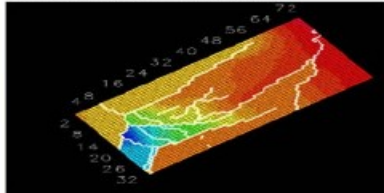


Figure 3b: Rectangular Grid - Zone 2 (Areal View)

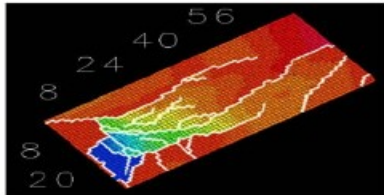


Figure 3c: Rectangular Grid - Zone 3 (Areal View)

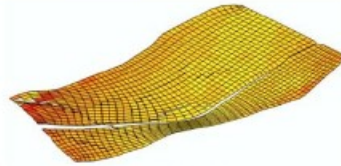


Figure 7a: Curvilinear Grid - Zone 1 (Areal View)

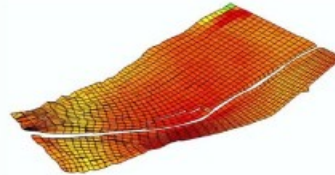


Figure 7b: Curvilinear Grid - Zone 2 (Areal View)

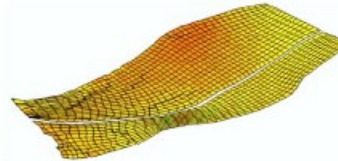


Figure 7c: Curvilinear Grid - Zone 3 (Areal View)

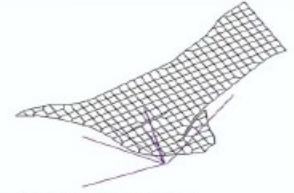


Figure 9a: PEBI Grid - Zone 1 (Areal View)

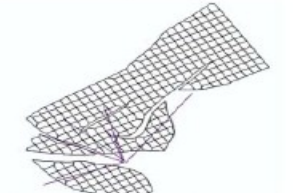


Figure 9b: PEBI Grid - Zone 2 (Areal View)

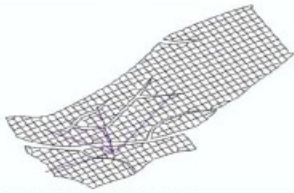


Figure 9c: PEBI Grid - Zone 3 (Areal View)

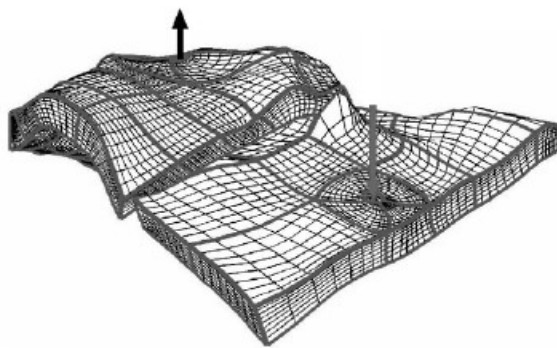


Fig. 15—MBG for faulted reservoir, side view.

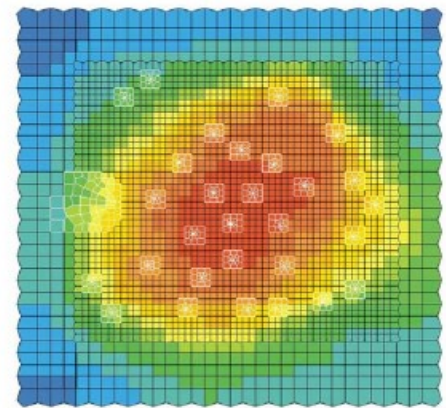
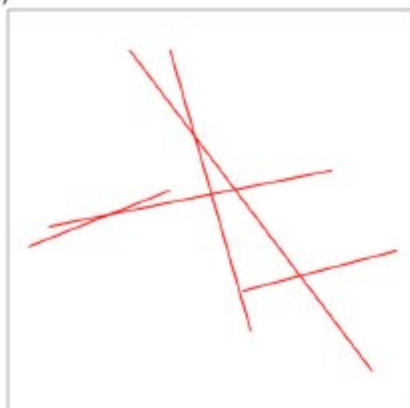


Fig. 7 – Topdepth map of full scale field model

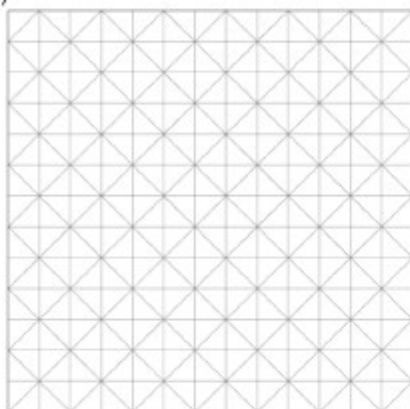
(a)



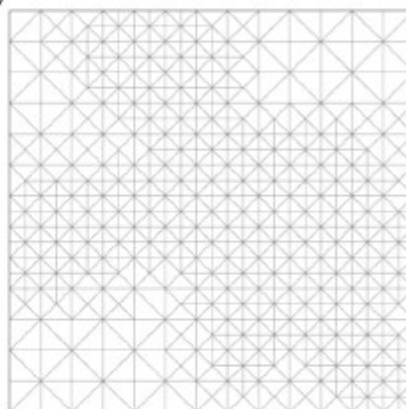
(b)



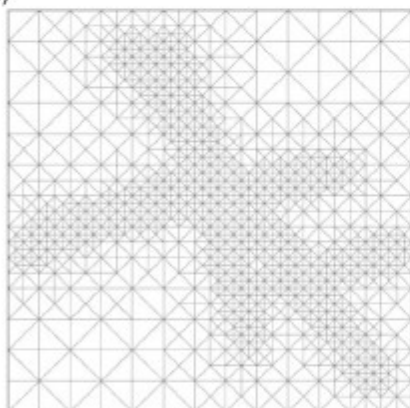
(c)



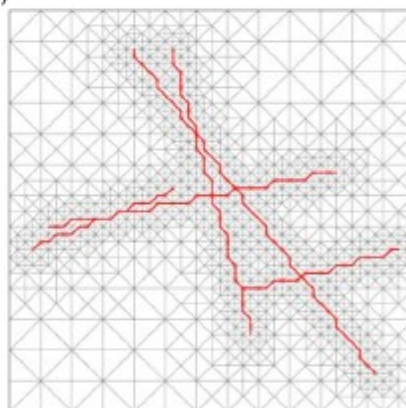
(d)



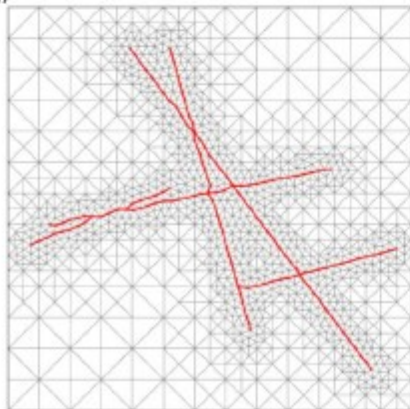
(e)



(f)

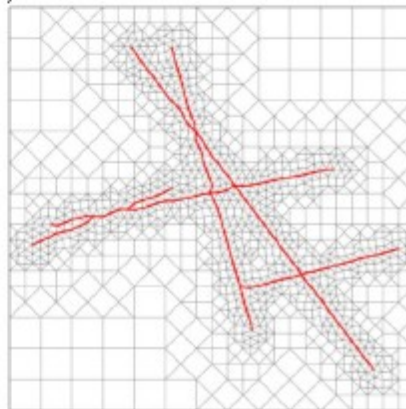


(g)



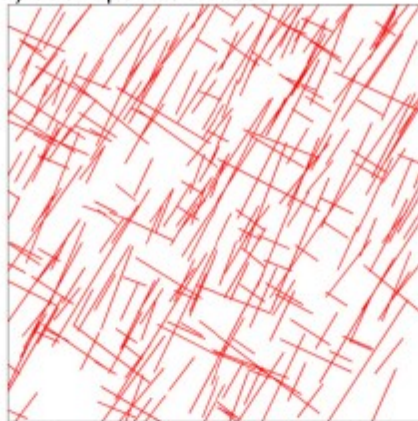
(2216 triangles)

(h)

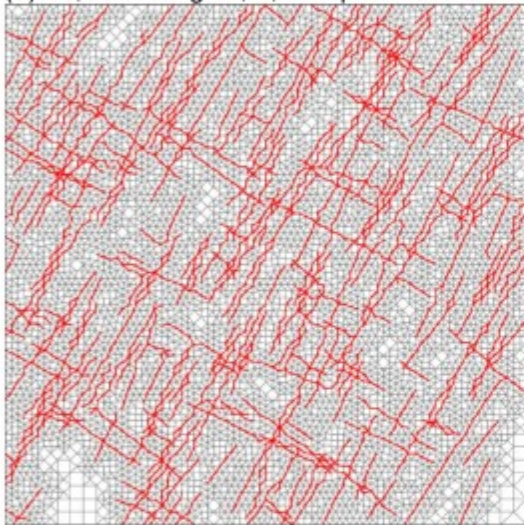


(1814 polygons)

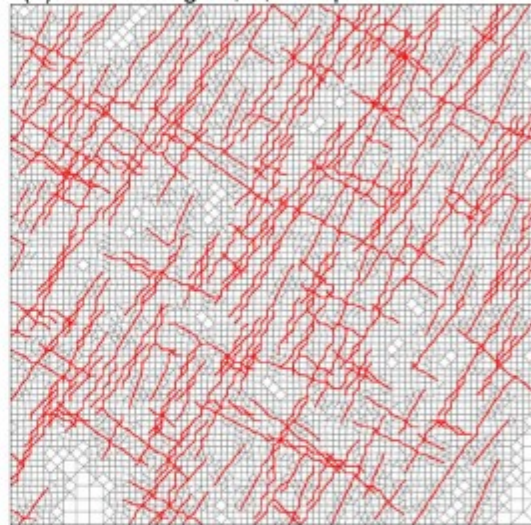
(a) 300 input fractures



(b) 10,395 triangles, 1,128 quadrilaterals



(c) 5615 triangles, 3,518 quadrilaterals

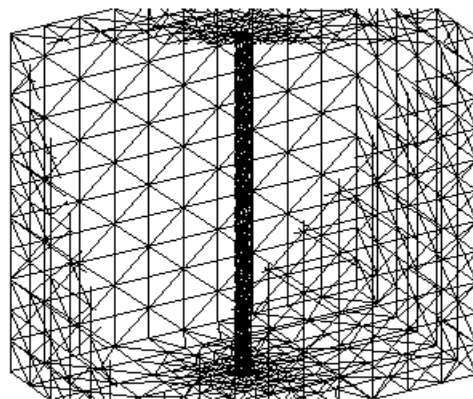
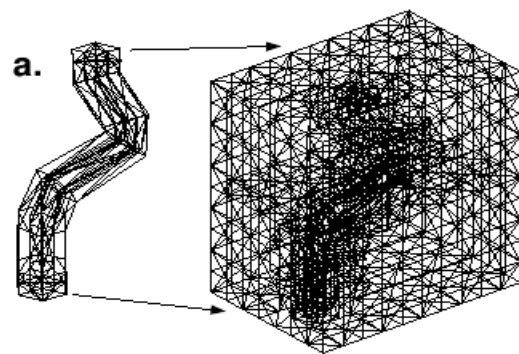
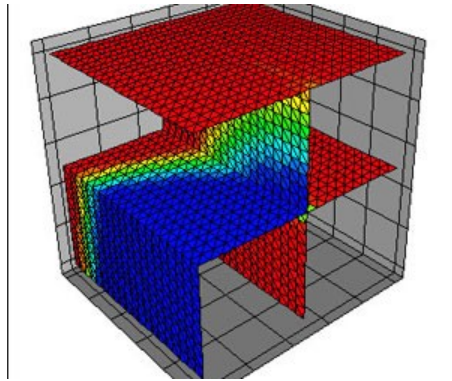


(d) 35,549 triangles, 4,703 quadrilaterals

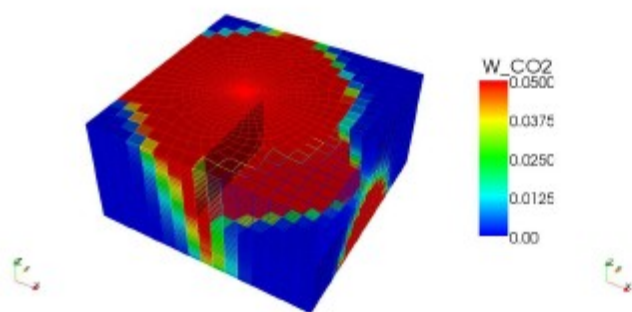


(e) 19,851 triangles, 12,552 quadrilaterals

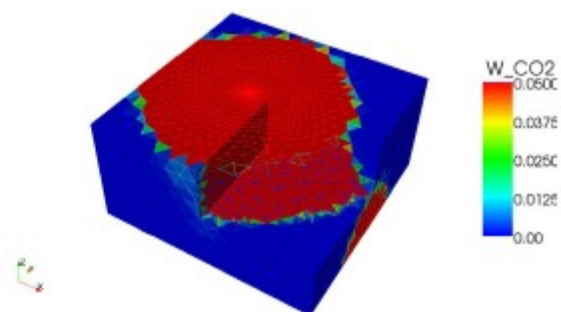




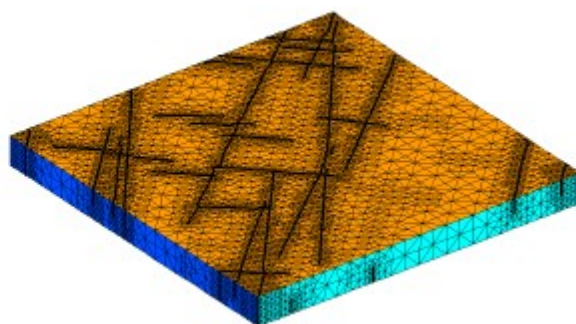
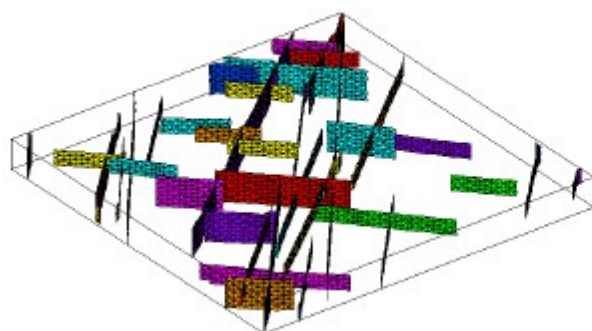
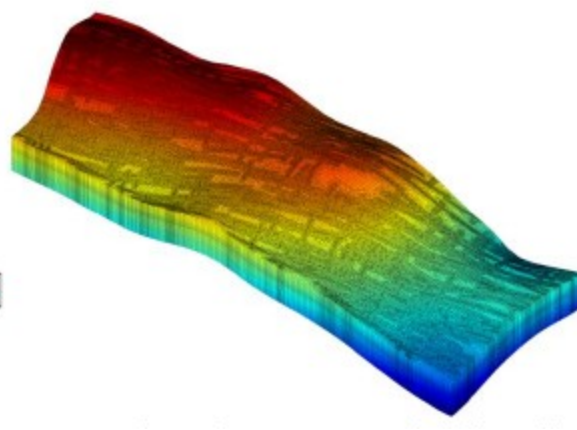
Muestra de resultados usando la malla

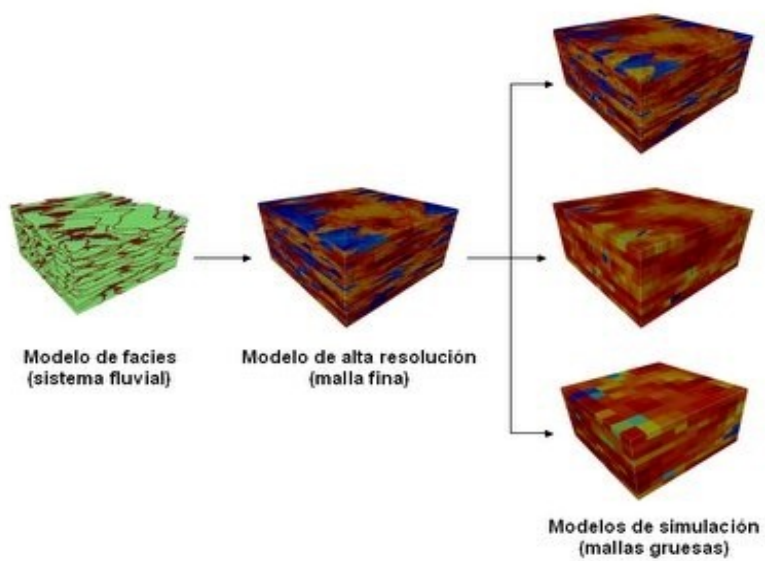
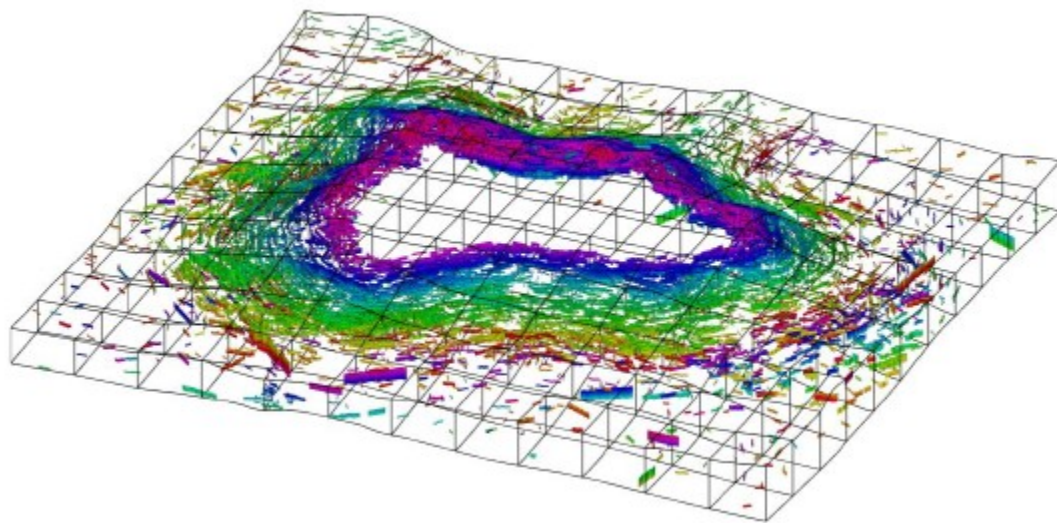


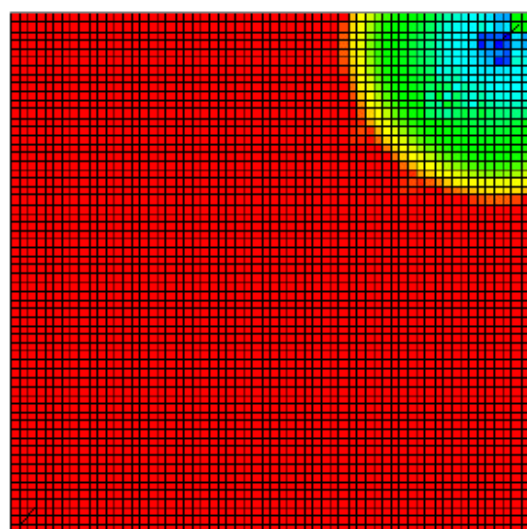
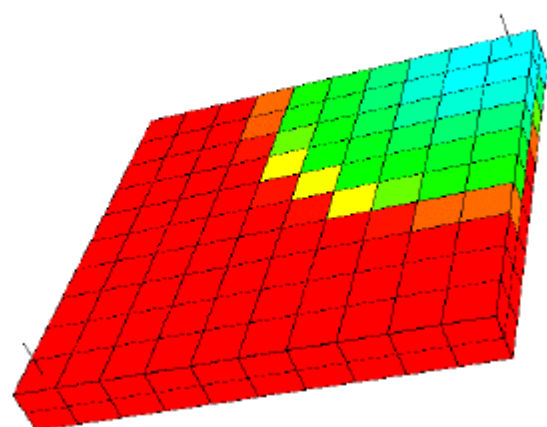
(a) hexahedral



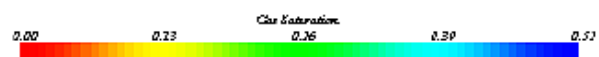
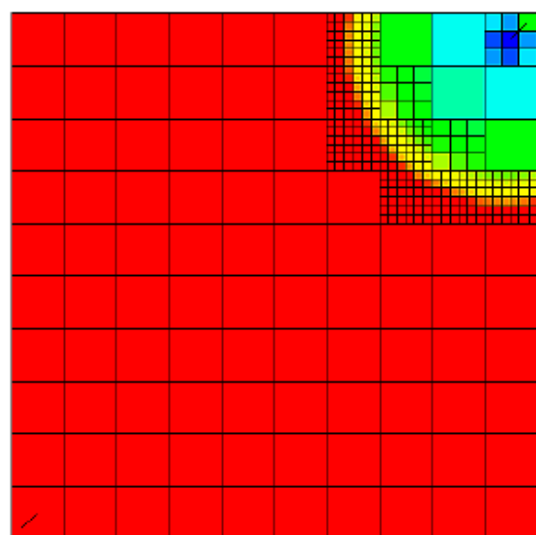
(b) hybrid







Global Fine Grid



Composite Grid

