

#1234: HyperMesh – Detach from wall (Geomechanics)

Product: HyperMesh

Product Version: HyperMesh 14.120 or above

Topic Objective

Detach from wall option in HyperMesh

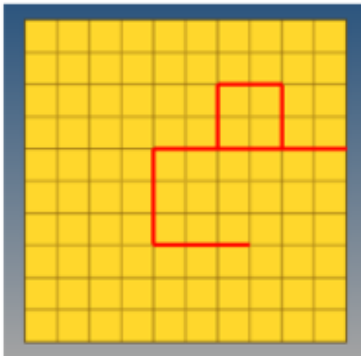
Topic Details

A new detach capability, useful for creating faults for geomechanics, has been added which allows detaching elements from the nodes of wall elements. This is available via the Detach > From Wall subpanel.

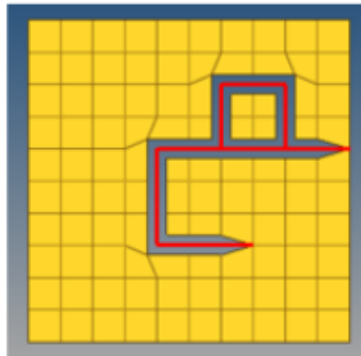
The elements surrounding the wall must be one dimension higher than the wall elements. The elements surrounding the wall can be classified as belonging to different clusters based on which side of the wall elements they appear. For each cluster of elements attached to the wall, the shared nodes are duplicated after detachment.

Options are also available for offsetting the nodes of the detached elements, as well as also detaching the free ends of walls.

Original Model



Detach with Offset



Detach with Offset + Ends

