

CUSTOMER SUPPORT NOTE

Creating a crack in a solid using unmerge feature

Note Number:	CSN/LUSAS/1013
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This support note is issued as a guideline only.



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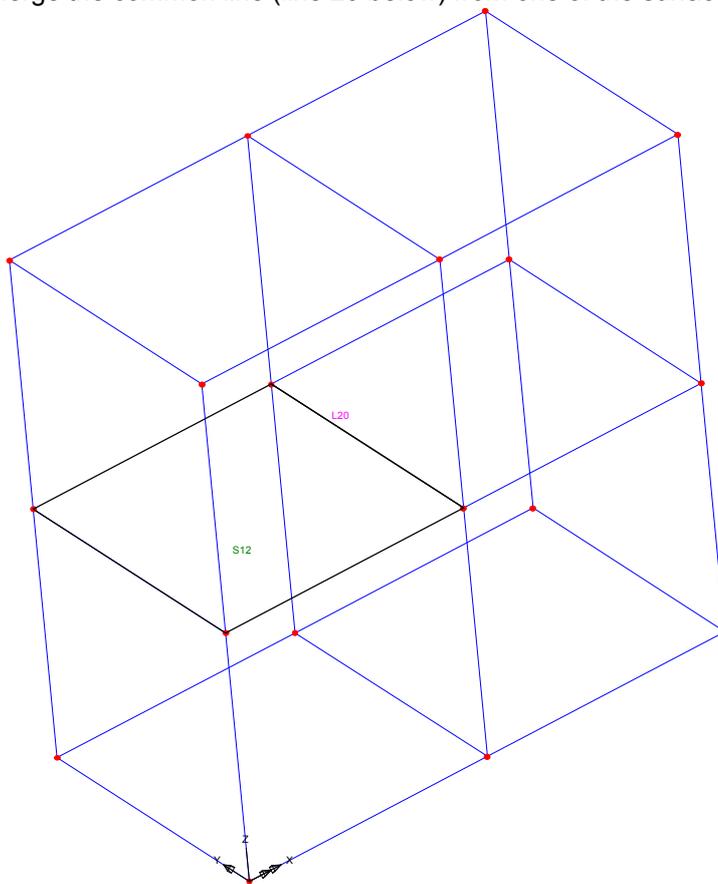
1. Introduction

This support note helps in letting user know how to separate volumes after creating a fully connected model.

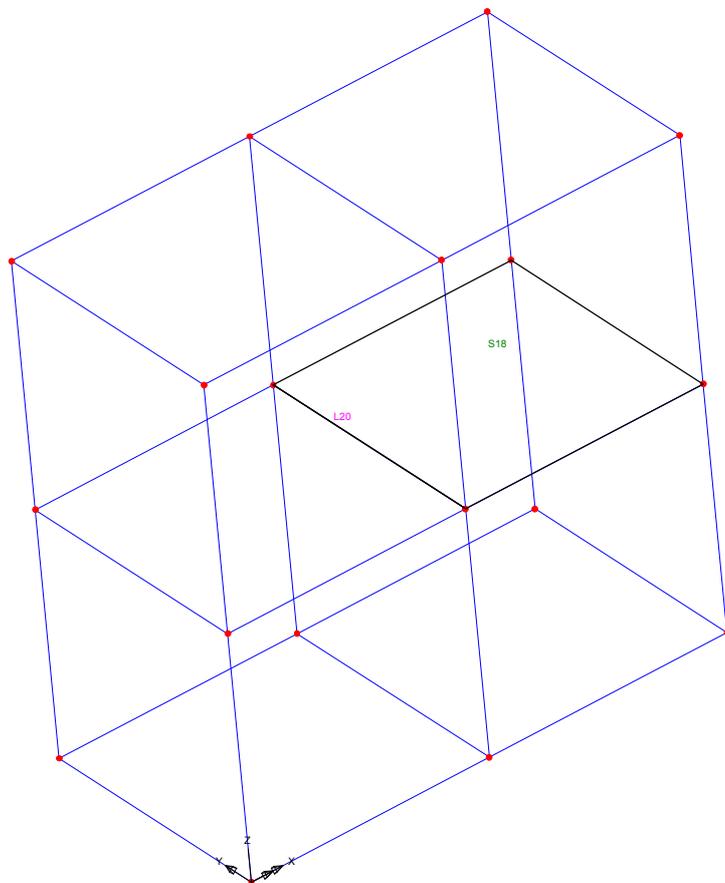
2. Description

As an example, the instructions below show how four fully connected volumes should be separated at the common line.

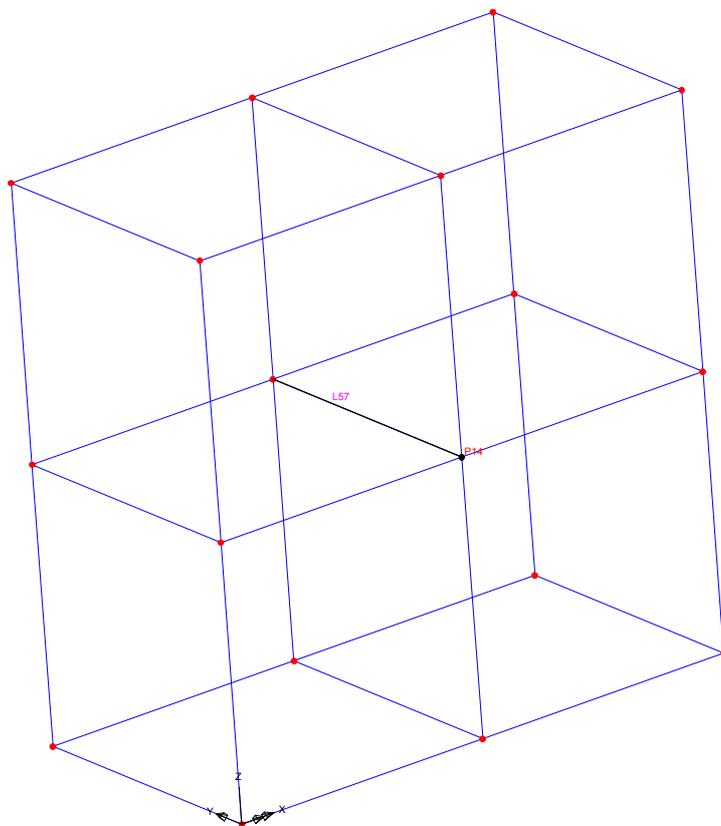
1- Unmerge the common line (line 20 below) from one of the surfaces (surface 12 below);



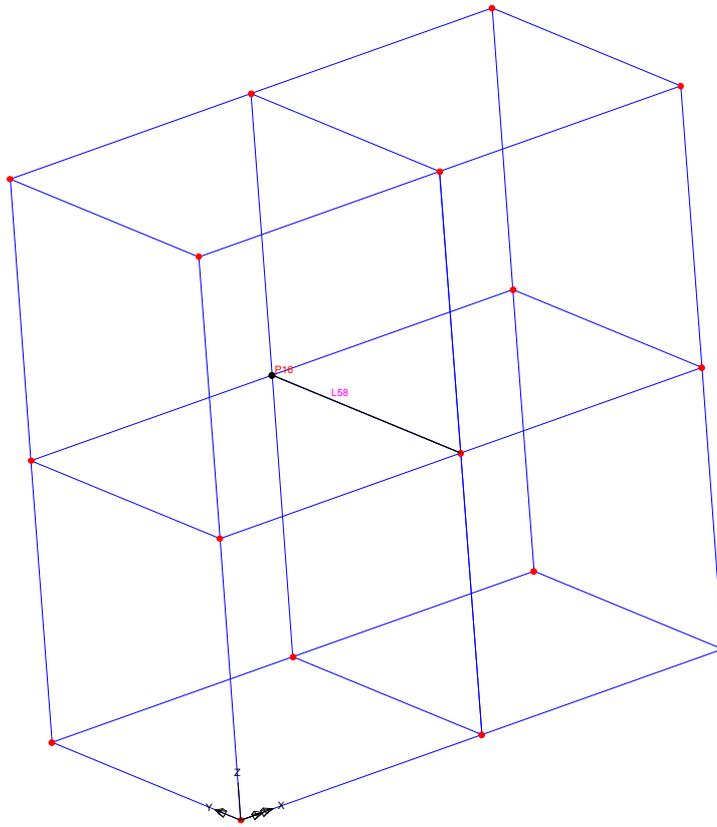
2- unmerge line 20 from the other surface (surface 18 below)



3- unmerge an end point (point 14 below) from one of the lines (line 57 below)



4- unmerge the point at the other end (point 16 below) from one of the lines (say line 58 below)



At this point we have removed the line that was shared by the four volumes and created 2 new lines; to prove that the crack is modelled correctly, move the two new lines apart, one in positive x direction, one in the negative x direction.

