

**\*DEFINE\_TRIM\_SEED\_POINT\_COORDINATES**

Purpose: The keyword is developed to facilitate blank trimming in a stamping line die simulation. This new keyword allows for the trimming process and inputs to be defined independent of the previous process simulation results.

**Card Format (I10, 6E10.0)**

Card 1            1            2            3            4            5            6            7            8

Variable	NSEED	X1	Y1	Z1	X2	Y2	Z2	
Type	I	F	F	F	F	F	F	
Default	None	0	0	0	0	0.0	0.0	

<u>VARIABLE</u>	<u>DESCRIPTION</u>
NSEED	Number of seed points. Maximum value of two is allowed.
X1, Y1, Z1	Location coordinates of seed point #1.
X2, Y2, Z2	Location coordinates of seed point #2.

**Remarks:**

1. Variable NSEED is set to the number of seed points desired. For example, in a double attached drawn panel trimming, NSEED would equal to 2.
2. This keyword is used in conjunction with keywords \*ELEMENT\_TRIM and \*DEFINE\_CURVE\_TRIM\_NEW, where variable NSEED should be left as blank. A partial keyword inputs for a single drawn panel trimming is listed below.

```
*INCLUDE_TRIM
drawn.dynain
*ELEMENT_TRIM
1
*DEFINE_CURVE_TRIM_NEW
$#   TCID   TCTYPE   TFLG   TDIR   TCTOL   TOLN   NSEED
      1     2         11     0.250
trimlines.iges
*DEFINE_TRIM_SEED_POINT_COORDINATES
$   NSEED   X1     Y1     Z1     X2     Y2     Z2
      1   -271.4   89.13  1125.679
*DEFINE_VECTOR
11,0.0,0.0,0.0,0.0,0.0,10.0
```

## **\*DEFINE**

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Typically, seed point coordinates can be selected from the stationary post in home position.

3. This feature is available in LS-DYNA R4 Revision 53048 and later releases.