**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)**

<table>
<thead>
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<th>3</th>
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<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable</td>
<td>NSEED</td>
<td>X1</td>
<td>Y1</td>
<td>Z1</td>
<td>X2</td>
<td>Y2</td>
<td>Z2</td>
<td></td>
</tr>
<tr>
<td>Type</td>
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<td>F</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>

**VARIABLE DESCRIPTION**

- **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.

```plaintext
*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
  1       -271.4    89.13   1125.679
*DEFINE_VECTOR
  11,0.0,0.0,0.0,0.0,0.0,10.0
```
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.