MPACT geometry error if many digits are specified on the axial_edit_bounds

Unrelated to data libraries

If too many digits (6 in the reported example) are specified in the axial_edit_bounds, an internal geometry error saying the modular geometry dimensions do not match is produced. Typically, only 3-4 digits are specified.

The error was reported by Vefa Kucukboyaci (WEC) and verified/relayed by Andrew Godfrey.

The error occurs when too many digits are specified, but the metric for "too many" is likely case specific.

Overall, the impact is minimal as there is a very easy work-around by massaging the axial_edit_bounds values by reducing the number of digits specified, rounding as appropriate. Additionally, the solution impact of this work-around is minimal as it is small fractions of centimeters difference in the mesh specification.
<table>
<thead>
<tr>
<th>Frequency/likelihood of error occurring</th>
<th>It's unlikely that this error will be encountered if using existing cases as a starting point. Additionally, specifying 5-6 digits may not always yield problems and should be evaluated on a case-by-case basis.</th>
</tr>
</thead>
<tbody>
<tr>
<td>How can users determine if error affects their calculations?</td>
<td>If users receive an inconsistent module dimensions error, they should check their axial_edit_bounds specification to ensure they have not overspecified the values.</td>
</tr>
<tr>
<td>What action should users take if error affects them?</td>
<td>If the error is encountered, users should round the values to 3-4 digits.</td>
</tr>
<tr>
<td>Is correction to code/data available?</td>
<td>A more robust correction for this is still under development.</td>
</tr>
<tr>
<td>How to obtain/install correction</td>
<td>The fix for this will be available in VERA 4.1.</td>
</tr>
</tbody>
</table>

ADDITIONAL COMMENTS:

RESOLUTION:
- [ ] Pending
- [ ] Fixed
- [ ] Deferred
- [ ] Can’t be fixed
- [ ] Irreproducible
- [ ] As designed

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