Rounding Issues in Plane separation

August 14, 2023

14:54

**Symptom:** 3D Volume is not auto generated on import.

**Root Cause:** Rounding Error in Eclipse causes it to believe that the image spacing is not correct.

**Solution:** Manually Generate 3D image in Selection workspace

Machine generated alternative text:
Create 3D Image - 
Identification 
ID 
Name 
Usable slices 
Using manually selected slices 
220 
220 
0.1646 
436 
162 
56529 
PT CTACI 
Size (pixel) 
Width 
Height 
Current plane setup 
384 
385 
386 
387 
388 
392 
394 
396 
397 
398 
Bind 
x 
sgg 
396 
397 
ggg 
400 
402 
403 
404 
Z Lcm) 
106.19 
106.02 
105.86 
105.69 
105.53 
105.36 
105.20 
105.04 
104.87 
10471 
Type 
Original 
Original 
Original 
Original 
Original 
Original 
Original 
Original 
Original 
Original 
Z Lcm) 
108.16 
108.00 
10783 
107.67 
107.50 
107.34 
107.18 
107.01 
10685 
106.68 
106.52 
106.35 
106.19 
106.02 
105.86 
105.69 
-IC5.53 
Slices used 
Plane separation Lcm) 
Original planes 
Interpolated planes 
Total planes 
Memory usage (KB) 

When doing so, Image overlap warnings may appear:

Machine generated alternative text:
Selection 
Image Image 70 overlaps with other images (Image 69). 

These messages can be safely acknowledged and ignored.

Alternatively, it may be possible to tweak the plane separation setting to prevent the warnings (Not yet tried). This will result in interpolated images in the 3D image volume.

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Name 
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Using manually selected slices 
220 
220 
0.1646 
442 
156 
56529 
PT NACI 
Size (pixel) 
Width 
Height 
Current plane setup 
394 
396 
397 
398 
402 
403 
404 
405 
406 
407 
408 
410 
Bind 
x 
sgg 
150 
152 
154 
157 
158 
Z Lcm) 
146.51 
146.35 
146.19 
14602 
14586 
145.69 
145.36 
145.20 
145.03 
Type 
Interpolated 
Interpolated 
Interpolated 
Interpolated 
Original 
Interpolated 
Interpolated 
Original 
Original 
Z Lcm) 
106.52 
106.35 
106.19 
106.02 
10586 
105.69 
-IC5.53 
105.37 
105.04 
104.87 
10471 
104.54 
104.38 
10421 
104.05 
103.88 
102 70 
Slices used 
Plane separation Lcm) 
Original planes 
Interpolated planes 
Total planes 
Memory usage (KB) 