

INTRODUCTION

Release Notes Avizo 7.1.1

Release Date: January 2013

This document describes the improvements in version 7.1.1 of Avizo, the 3D analysis software for scientific and industrial data.

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OVERVIEW

Avizo 7.1.1 is a minor release including issue fixes, enhancements and performance improvements. For major changes introduced in Avizo 7.1, please refer to the “Avizo 7.1 Release Notes” and "What's new in Avizo 7.1" document.

Some issues listed below, and highlighted in bold font in the next section, may require special attention as they involve changes in Avizo’s default behavior:

- 3673 - Quantification Tools: modified command *ultimate*.
- 4183 - Isocontour Annotated Slice: new display format port.
- 4412 - Colormap range no longer updated when changing data object.
- 4457 - Extended file sorting when loading image stacks.
- 4475 - Image filter modules now copy geometric transformation.
- 4594 - Extended video output size.

LIST OF SOLVED ISSUES

Issue#	Title	Release notes
3673	Quantification Tools: issues with command <i>ultimate</i>	This command did not provide expected results in some case, in particular with connected particles. The command has been improved and optimized, now using distance regional maxima.
3908	Avizo Green: Particle Pathlines not rendered as expected when changing time steps	Rendering artifacts that appeared in some cases have been fixed.

4095	Embossed Slice rendering is incorrect in some case	Embossed Slice could render incorrectly when using preference "show viewer in top-level window". This is fixed now.
4183	Isocontour Annotated Slice: can't change the display format of isovalues.	A new port "Annotation Format" is now available to specify the display format of the values. There are three formats available: <i>automatic format</i> , <i>floating point format</i> , <i>integer format</i> . The default format is the <i>automatic format</i> . The <i>automatic format</i> option automatically chooses the best format for the current value domain. Prior to display, the <i>floating point format</i> and <i>integer format</i> convert the value representation to an easy-to-read power of ten.
4256	Avizo doesn't properly exit after it was launched with the "-tclargs" option.	This has been fixed.
4390	The zoom in the colormap port isn't correctly updated.	This has been fixed.
4412	The range of the colormap port is wrongly updated when connecting its display module to another data object.	When a display module was connected to a data object for the first time, then reconnected to another object, the range of the colormap port was wrongly updated. The range is now only computed during the first connection of a display module, and then stays unchanged when reconnecting to other data objects. For updating the colormap range, the colormap menu Edit > Adjust Range or the range calibration (Avizo Fire) can be used.
4457	Multiple images are not imported in the correct order.	When importing a stack of images, the filename is used to sort the images. Now, Avizo uses more than one group of digits in the filename; it correctly imports the data even if the number of digits varies for every image.
4466	Failure when using Arithmetic module linked to some dataset loaded as "Large Disk Data".	The Arithmetic module could fail with large data loaded as external data. This has been fixed.
4475	The morphological filters change the orientation of Nifti images.	Image filter modules did not copy the geometric transformation of the input data object to the output data object. This has been fixed.
4500	Failure when connecting an Ortho Slice to the output of Quantification:logical_not.	In some case, a crash could occur when using a 16-bit data object. This has been fixed.
4518	Histogram computation failure.	In some case, a crash could occur when using a 16-bit data object. This has been fixed.
4523	The TIFF reader may fail when loading a large stack of images.	This has been fixed.
4544 4551	TIFF import failures	The TIFF reader has been improved to support more format variations.
4580	LAS reader error when loading LAS 2.0 file.	This has been fixed.
4594	The video output size is limited.	The maximum custom size for movies is no longer limited to 2048x2048.
4597	Invalid saved project if it uses Leica .lif dataset.	When saving a project using the pack&go option, the .lif file was not copied into project's file directory. This is now fixed.
4606	Failure when adding a selection to existing labels in some case.	In the segmentation editor, this issue could occur when managing large data (16-bit data) and using the "current slice" mode. This has been fixed.