Changelog ToolIP 2019

Plugins

- plugin Gauss: a parameter sigma below zero (out of \(\sigma_x, \sigma_y, \sigma_z\)) is replaced by \(\sigma = 0\) which means, that this direction will not be filtered
- plugin Math: fix crash when input is a value

New plugins

- add new toolbox ValueUtils
- add new plugins ConvertValue and SetValueMapEntry into toolbox ValueUtils

Plugin changes

- plugin Calculator function "float()" does now support images too
- plugin Display: speedup and improved large image support
- plugin Distance supports image types \(\text{IMAGE\_GREY\_16}, \text{IMAGE\_GREY\_32}, \text{and \ IMAGE\_BINARY\_FG}\) too
- plugin Average3d supports image types \(\text{IMAGE\_GREY\_16}, \text{IMAGE\_GREY\_32}, \text{and \ IMAGE\_BINARY\_FG}\) too
- plugin ZoneList supports image types \(\text{IMAGE\_GREY\_16}, \text{IMAGE\_GREY\_32}, \text{and \ IMAGE\_BINARY\_FG}\) too
- plugin ZoneList supports \(2^{32} - 1\) label numbers too
- plugin ZoneList supports 3d image data
- plugin Ranking supports large image data > 4GB now
- plugin Translate supports large image data > 4GB now
- plugin AssertEq has new parameter \texttt{negate\_assert} for assert-not-equal
- plugin AssertEq now properly handles NAN values
- plugin ZoneList supports now large label numbers till \(2^{32} - 1\)

ToolIP

- add plugin documentation preview via \texttt{SHIFT+mouse-over}
- a plugin error inside of a looped sub-graph does now always end the looping
MAOICmd

- MAOICmd supports writing image types `IMAGE_BINARY_FG` and `IMAGE_COMPLEX_F`
- MAOICmd supports now output placeholder (ignoring outputs) via underscore "_"

RAGBI

- supports now images in TIFF format (2d and 3d)

Known Issues

- plugin Gauss with $\sigma < 1.0$ is not symmetric