QGIS Application - Bug report #12519
SAGA various Interpolations fail in Processing

2015-04-06 10:27 PM - Paolo Cavallini

Status:	Closed		
Priority:	Normal		
Assignee:	Giovanni Manghi		
Category:	Processing/SAGA		
Affected QGIS version:	2.8.1	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	Yes	**Resolution:**	fixed/implemented
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	20664

Description

Output della console di esecuzione di SAGA
Unknown option 'USER_SIZE'

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1. ## ##### ##

1. ### ## ###
2. # ## ## #### # ##
3. ##### ## # #####
   1. # ## ##### # ##

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SAGA Version: 2.1.4

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library path: /usr/lib/x86_64-linux-gnu/saga/
library name: libgrid_spline
library : Spline Interpolation
tool : Multilevel B-Spline Interpolation
author : (c) 2006 by O.Conrad
processors : 4 [4]

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Usage: saga_cmd grid_spline 4 -SHAPES <str> [-FIELD <str>] [-METHOD <str>] [-EPSILON <str>] [-LEVEL_MAX <num>] [-UPDATE <str>] [-TARGET_DEFINITION <str>] [-TARGET_USER_XMIN <str>] [-TARGET_USER_XMAX <str>] [-TARGET_USER_YMIN <str>] [-TARGET_USER_YMAX <str>] [-TARGET_USER_SIZE <str>] [-TARGET_USER_FITS <str>] [-TARGET_TEMPLATE <str>] [-TARGET_OUT_GRID <str>]
-SHAPES:<str> Points
Shapes (input)
-FIELD:<str> Attribute
Table field
-METHOD:<str> Method
Choice
Available Choices:
[0] without B-spline refinement
[1] with B-spline refinement
Default: 1
-EPSILON:<str> Threshold Error
Floating point

Minimum: 0.000000
Default: 0.000100
-LEVEL_MAX:<num> Maximum Level
Integer
Minimum: 1
Maximum: 14
Default: 11
-UPDATE:<str> Update View
Boolean
Default: 0
-TARGET_DEFINITION:<str> Target Grid System
Choice
Available Choices:
[0] user defined
[1] grid or grid system
Default: 0
-TARGET_USER_XMIN:<str> Left
Floating point
Default: 0.000000
-TARGET_USER_XMAX:<str> Right
Floating point
Default: 100.000000
-TARGET_USER_YMIN:<str> Bottom
Floating point
Default: 0.000000
-TARGET_USER_YMAX:<str> Top
Floating point
Default: 100.000000
-TARGET_USER_SIZE:<str> Cellsize
Floating point
Minimum: 0.000000
Default: 1.000000
-TARGET_USER_FITS:<str> Fit
Choice
Available Choices:
[0] nodes
[1] cells
Default: 0
-TARGET_TEMPLATE:<str> Target System
Grid (optional input)
-TARGET_OUT_GRID:<str> Target Grid
Grid (output)
Error: Grid file could not be opened.
Error: executing tool [GDAL: Export Raster]

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1. ## ##### ##

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2. # ## ## #### # ##
3. ##### ## # #####
    1. # ## ##### # ##

SAGA Version: 2.1.4

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library path: /usr/lib/x86_64-linux-gnu/saga/
library name: libio_gdal
library : GDAL/OGR
tool : GDAL: Export Raster
author : O.Conrad (c) 2007
processors : 4 [4]
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Load grid: /tmp/processing/b7c0a6eda54c4724834fcf1c3473890f/USERGRID.tif.sgrd...
failed
GDAL: Export Raster: could not initialize data objects

History

#1 - 2015-04-06 10:33 PM - Paolo Cavallini

- Subject changed from SAGA Multilevel B-Spline Interpolation fails in Processing to SAGA various Interpolations fail in Processing

Same for Inverse Distance Weighted as for Multilevel B-Spline, possibly others

#2 - 2015-04-07 09:41 AM - Paolo Cavallini

See an explanation here: http://sourceforge.net/p/saga-gis/wiki/Compatibility%202.1.3/

#3 - 2015-04-08 01:33 AM - Paolo Cavallini

Replace USER_SIZE with TARGET_USER_SIZE etc. Partially fixed in master.

#4 - 2015-04-09 04:43 AM - Giovanni Manghi

- Pull Request or Patch supplied changed from No to Yes
- Assignee changed from Victor Olaya to Giovanni Manghi
- Status changed from Open to In Progress

fixed with

https://github.com/qgis/QGIS/pull/1984

#5 - 2015-04-09 05:07 AM - Giovanni Manghi

- Resolution set to fixed/implemented
- Status changed from In Progress to Closed

#6 - 2015-04-10 01:54 AM - Paolo Cavallini

- Resolution deleted (fixed/implemented)
- Status changed from Closed to Reopened

Also thin plate commands have the same issue. Possibly also:

B-SplineApproximation.txt:OutputRaster|USER_GRID|Grid
CubicSplineApproximation.txt:OutputRaster|USER_GRID|Grid
GeographicallyWeightedRegression.txt:OutputRaster|USER_GRID|Grid
ModifedQuadraticShepard.txt:OutputRaster|USER_GRID|Grid
Mosaicking.txt:OutputRaster|USER_GRID|Mosaicked Grid
NaturalNeighbour.txt:OutputRaster|USER_GRID|Grid
NearestNeighbour.txt:OutputRaster|USER_GRID|Grid
OrdinaryKriging.txt:OutputRaster|USER_GRID|Grid
PolynomialRegression.txt:OutputRaster|USER_GRID|Grid
RandomField.txt:OutputRaster|USER_GRID|Random Field
Resampling.txt:OutputRaster|USER_GRID|Grid
ThinPlateSpline(Global).txt:OutputRaster|USER_GRID|Grid
ThinPlateSpline(Local).txt:OutputRaster|USER_GRID|Grid
ThinPlateSpline(TIN).txt:OutputRaster|USER_GRID|TIN
Triangulation.txt:OutputRaster|USER_GRID|Grid

#7 - 2015-06-01 07:00 AM - Giovanni Manghi

- Resolution set to fixed/implemented

- Status changed from Reopened to Closed

fixed with https://github.com/qgis/QGIS/pull/2098