

New Features in TerraModeler

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Produce Lattice Models

- Automatic creation of multiple lattice models from laser points and breakline vectors

Produce lattice models

Model settings

Model buffer: m around tile
 Save each model

Model data sources

Laser points
Project:
Classes:

Survey elements

Vector elements
Rule file:

Lattice files

Grid spacing: m
File format:
Z unit:
 Create TFW files

Lattice file naming

Directory:
Name prefix:
Extension:

Produce Lattice Models

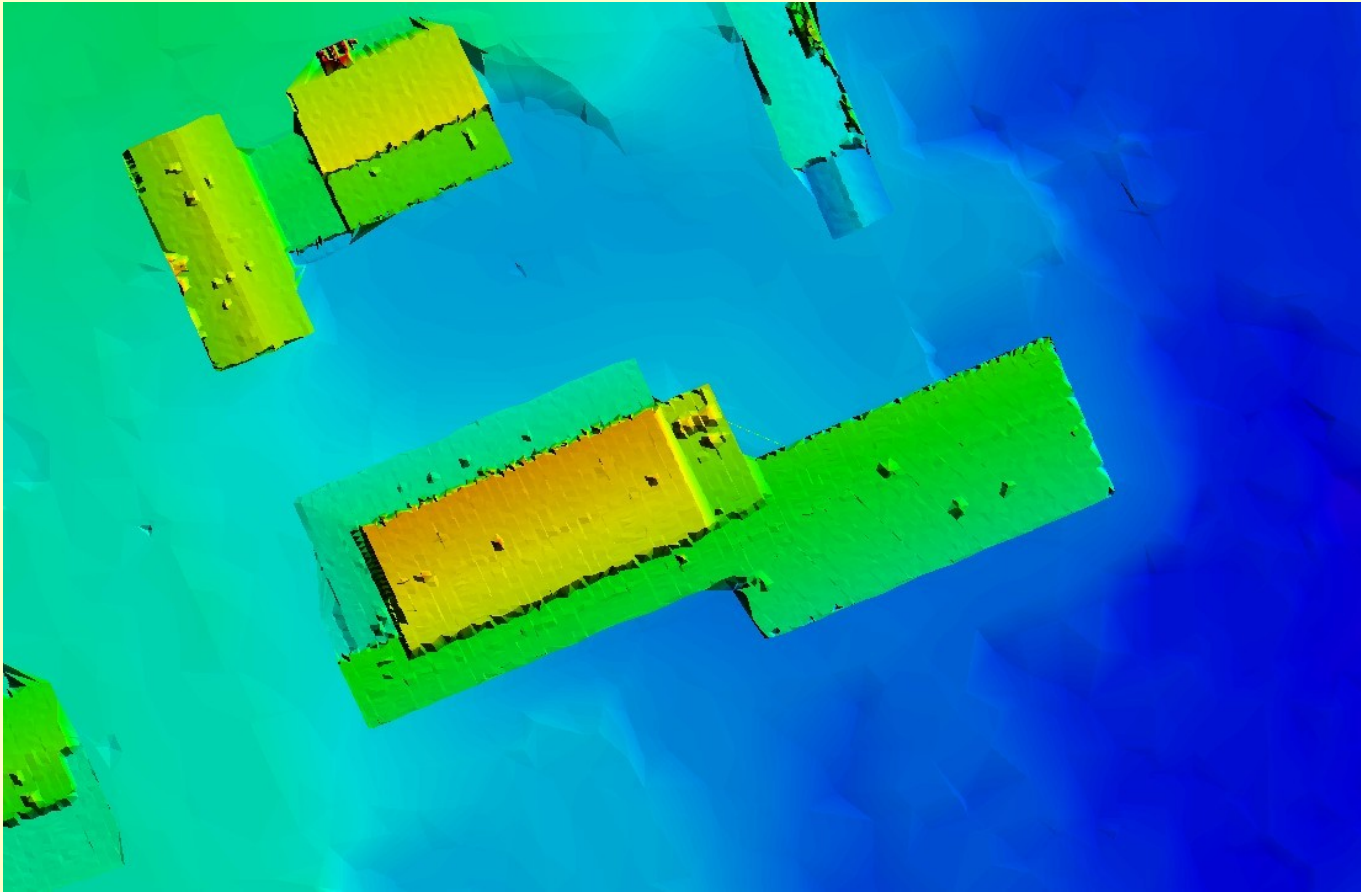
- Model sources:
 - TerraScan laser point project
 - Survey elements
 - TerraSurvey feature coded vectors in reference files
 - Vector elements
 - Vectors filtered by level, type and symbology
 - Vectors can be in active design or reference files

Produce Lattice Models

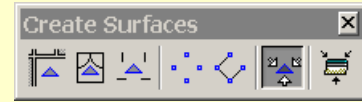
- Preparation steps:
 - Classify points in TerraScan project
 - Ground points to another class inside areas that will be modeled by breaklines
 - Attach breakline design files as references
 - Use *Triangulate Elements* to build rules for filtering breakline vectors
 - Draw output tiles as shapes in the design file
 - Place naming text elements inside tiles

Display Shaded Surface

- Draw raster now as transparent
- Makes it possible to view several shaded surfaces overlapping each other



Triangulate Multiple Sources



- Collects points from possibly multiple sources and creates one TIN model
- One model from breaklines and laser points
- Model can be made to be:
 - Rebuildable
 - 'Editable model'

Triangulate Multiple Sources

Surface model

Create As: Normal model

Type: Ground

Name: Ground

File name: ground.tin

Data sources

Vector elements

Rule file: C:\data\hut200\contours\breakline_rules.txt

Survey elements

Laser points in TerraScan

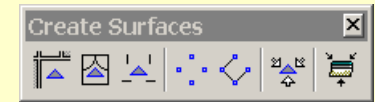
Classes: 2

Make this 'Editable model'

Laser points from binary file

File:

Rebuild Models



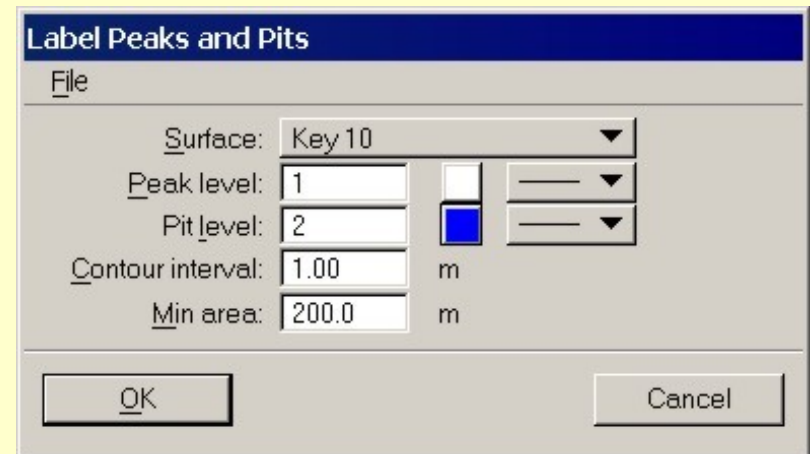
- Deletes old surface, reads source information, triangulates and redraws display methods



Label Peaks and Pits



- Writes elevation labels for tops of hills and for bottoms of depression
- Only hills/depression larger than **Min area** will be labeled
- **Min area** relates to largest closed contour around the feature
- **Settings / Elevation labels** controls elevation label format



Label Peaks and Pits

- **Produce contours** can label peaks and pits

Produce contours

Model settings

Model buffer: m around tile

Save each model

Contours and labels for peaks and pits

Draw contours

Settings:

Label peaks and pits

Settings:

Design files to create

Seed file:

Directory:

Name prefix:

Model data sources

Laser points

Project:

Classes:

Survey elements

Vector elements

Rule file: