



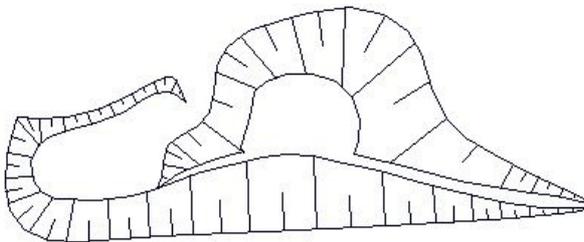
Cartographical automation for slopes: "PlaceSlope" for GeoMedia and MicroStation

Hansa Luftbild developed an algorithm for the automatic generation of slope hachures in digital maps for *GeoMedia Professional* (from version 5). The software has been in use for years by numerous *MicroStation* (from version 7) clients. It meets the highest demands of digital cartography and is a long-term hit in drafting large-scale plans.

Advantages

PlaceSlope is characterised by high performance, flexibility and user friendliness and can be seamlessly integrated in *GeoMedia* environments or as an MDL in any *MicroStation* recording environment. It's available in either German or English.

Complex slope shapes can be assigned the desired map symbol in seconds without preparation being needed. Its geometric characteristics can be interactively adjusted during processing.



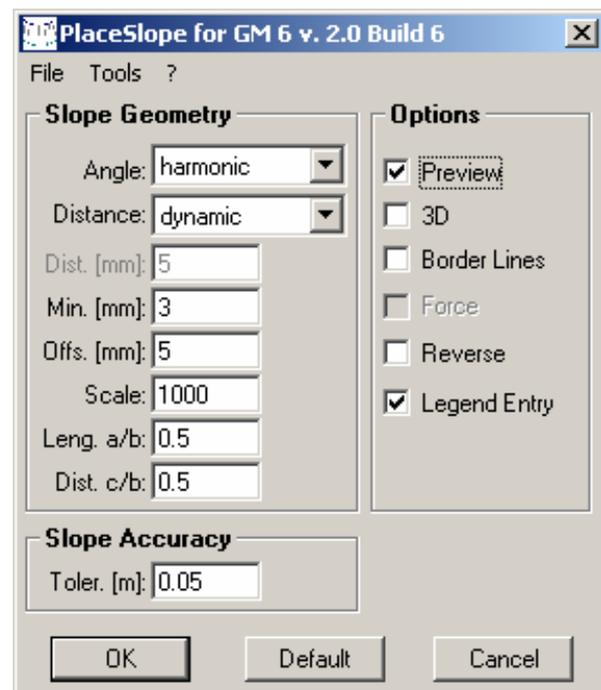
Supported parameters

The current *PlaceSlope 3.0* programme version supports the following settings parameters.

- The display ratio of long to short slope lines.
- The display ratio between line interval and length
- The choice of initial scale for the plot.
- The hachure spacing (fixed or dynamic).
- The minimum hachure spacing.
- The setting of the angle between the slope line and the upper edge (right-angled or harmonious).
- Generation of 2D or 3D sloping.
- Choice of a long or a short line as first hachure.

Functions

A GUI is used to input parameters (see the illustration below). The settings can be interactively changed at any time during processing and saved in a configuration file.

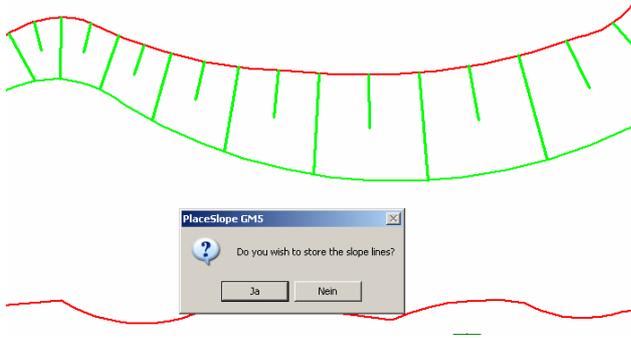


Settings for the hachures to be generated

Dynamic hachure automatically adjusts the density of slope lines to the interval between top and bottom edge. Dynamic hachure can be used to achieve a smooth and even eye-catching picture of the slope lines as the rigid right angle is deviated from and adjacent hachure adjusted appropriately.



Users have the option of employing a preview function to view the slope characteristics generated and adjust the parameter settings before saving in the *GeoMedia* Warehouse.



Example of a generated slope hachure (with querying of saving in the preview function)

References

Licenses for *PlaceSlope* are available for *GeoMedia* and *MicroStation* (V7, V8 und XM) and in use by over 200 clients in the local government, infrastructure and utilities fields, all of whom are very satisfied.

List of references (extract)

- City of Amsterdam
- Donauwerke Vienna
- City of Magdeburg
- Emden harbour
- Deutsche Bahn
- Vattenfall
- ...

Demo version

See for yourself just how good our programme is. Request a demo version of *PlaceSlope* including installation and operation documentation as well as licensing terms and conditions. Please contact us if you have any queries.



Rubbish tip: heights and slope hachures with background aerial photo

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