

Therion Assistant

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From time to time, when using Therion, one finds that two or more separate drawings (scraps) should have been in the same file. To join them, one has to alter the coordinates for all items in the scrap that is to be transferred because of the difference in zero point distance. To correct the coordinates by the use of a spreadsheet is possible, but a bit tedious since several coordinate-pairs can be on the same line in the th2-file. And furthermore, spreadsheets are not very good when it comes to formatting output Therion-like. When this situation arose a while ago, a solution was developed in Ms Access that handles the problem programmatically; the Therion Assistant.

The program includes a function that can cut any given rectangle from a scrap and paste it into a new file. Walls and interior details may be cut of using this option, but redrawing them should be fairly straight forward. It is possible to move the same rectangle from the corresponding xvi-file into a new one.

A few other gadgets are implemented:

- Calculating the circumference and area of a cave, using a convex polygon.
- Summarizing maps, scraps, stations and shots listed in the sql-file, as well as listing highest station number in every series.
- Calculating all point stations in a new file, and writing them into the th2-file, rather than mouse-clicking on each of them, based on a new xvi-file.

The program is currently very much a beta version, but feedback is needed to improve and further develop it. Therion Assistant, as well as a user manual, can be downloaded from speleo.no and it is open source for all users with full Access, version 2007 or newer, and usable in Access runtime. Two conditions apply:

- To use the Assistant a basic knowledge of Therion and its file system is required.
- The first time used, the Assistant needs to be told the local setting for the decimal point.

Therion Assistant has been tested only in Windows environment. Whether it will work on a Mac or in emulated Windows under Linux is unknown.

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