GeoEasy 3.1.0 File Edit Calculate Window Help GeoEasy os For Land Surveyors http://digikom.hu

GeoEasy^{os} 3.1

The development of the GeoEasy program started in 1997. Twenty years later in 2017 it has became free software under GPL license, freely available for everybody. The ComEasy module of the project was released under open source license from the beginnings (see https://github.com/zsiki/ComEasy).

The core development of GeoEasy is made on Linux operating system, using Tcl/Tk script language, thanks to the Tcl/Tk ports to several operating system the program can be used on Linux, on Windows (32 and 64 bit version), on Android tablets and on OSX machines. Intensive tests of the code were made on Linux and Windows only.

Development tool

Tcl commands

Console window to run ad-hoc

Extend the functionality of

GeoEasy with user defined

Write your own app using

GeoEasy

scripts loaded from file

GeoEasy as a library

New features:

German, Czech, Russian GUI Tcl console for your scripts Portable windows release Variable column widths in field-books Parallel line regression

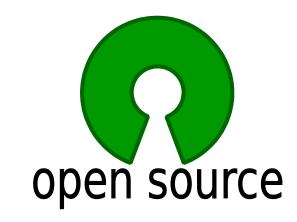
Circle regression fixed radius Vertical transformation KML export of coordinate list Many bug-fixes More than 400 commits and 72 issues solved after 3.0

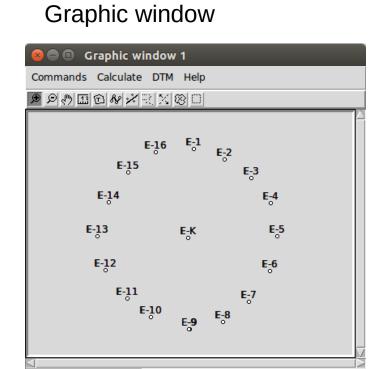
Objectives

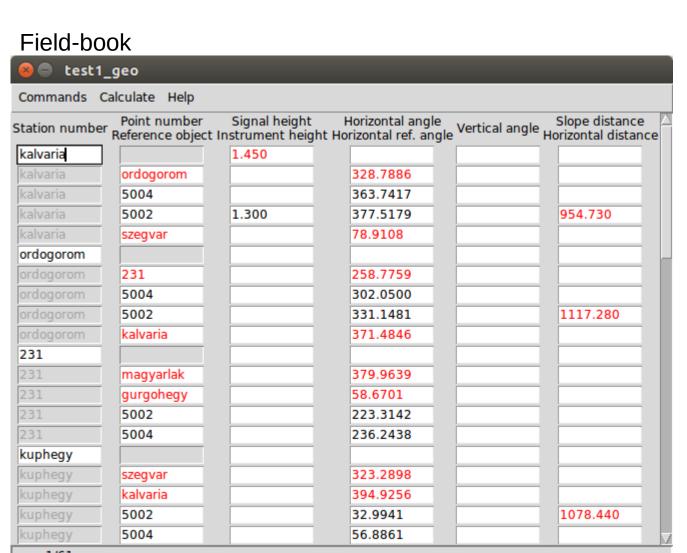
User friendly graphical user interface Modular, extendable structure Direct process of data from total stations

Flexibility and openness connecting to other programs

Educational and professional usage

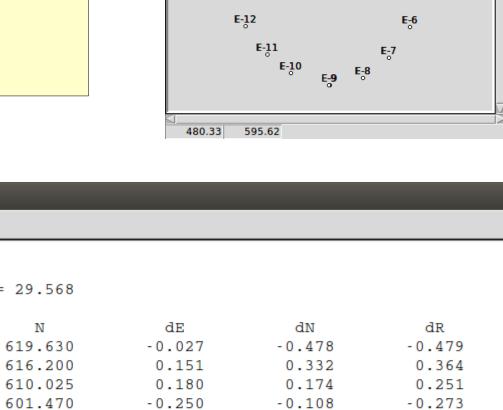








Download the binary releases for Windows and Linux: http://digikom.hu/english/geo easy e.html



-0.002

-0.092

-0.278

0.461

0.584

-0.592

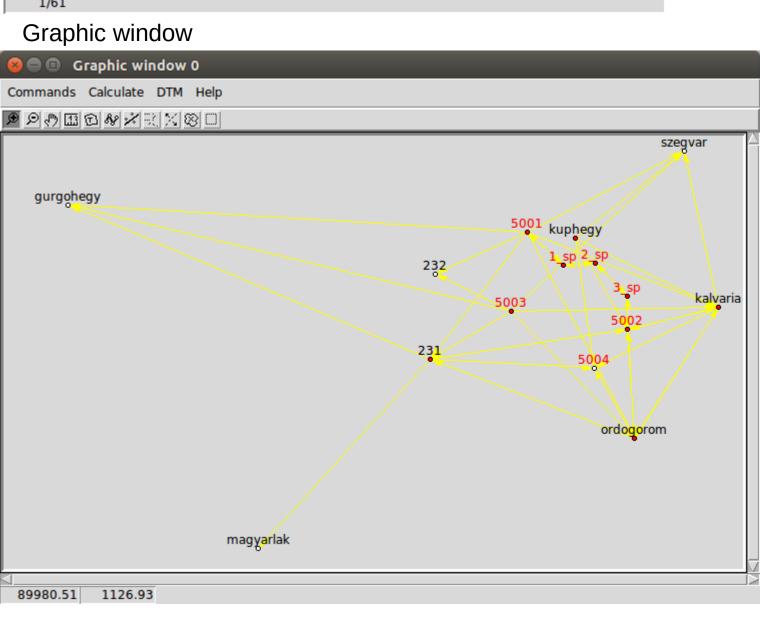
-0.071

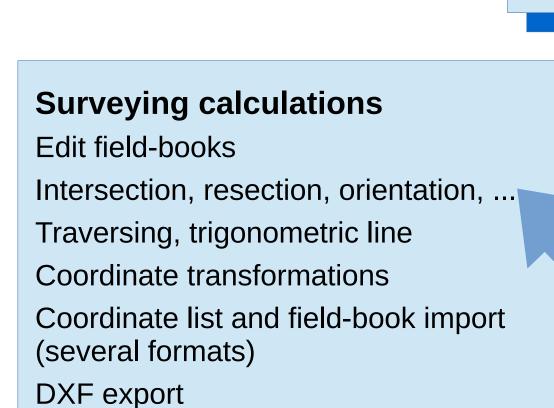
0.249

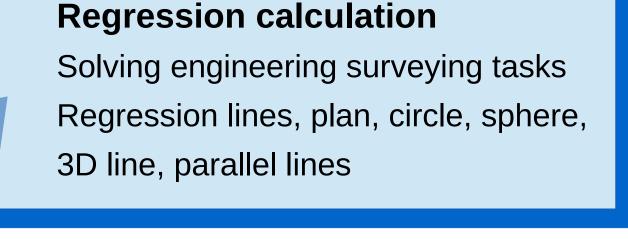
0.385

-0.499

-0.584







Digital Terrain Models

DXF import

TIN models

11 Q > B &

Today's Schedule:

Regression circle

RMS=0.417

2017.11.01 12:10 - Circle

479.390

489.810

498.750

505.080

507.319

504.929

497.890

489.140

478.040

465.190

590.356

578.789

568.570

561.830

559.480

563.560

TIN model (Triangle) Graphic window 0 Commands Calculate DTM Help 642518.22 229075.46

Network adjustment (GNU Gama)

1D/2D/3D geodetic network Normality check Data snooping

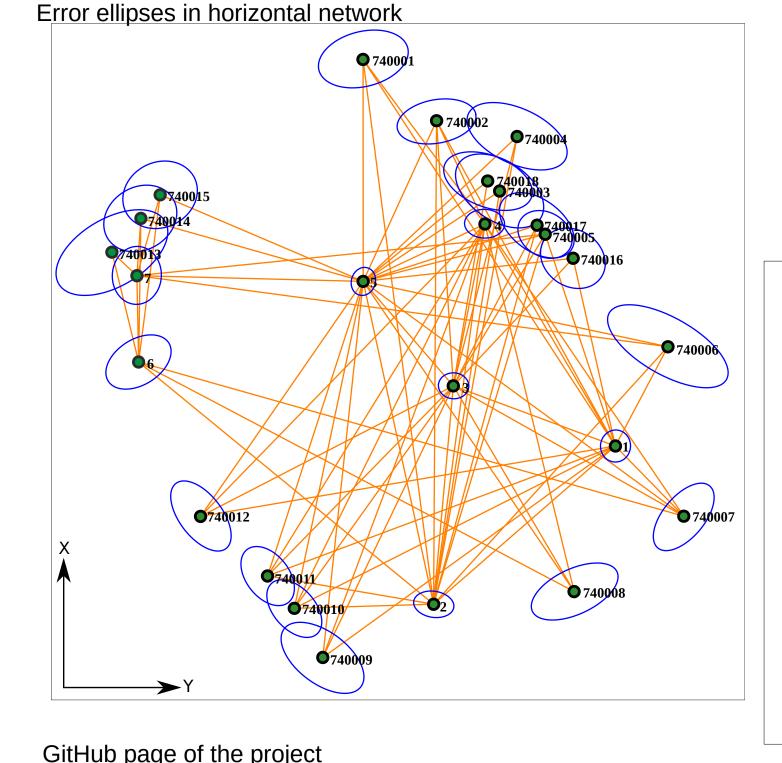
Network sketch with error ellipses

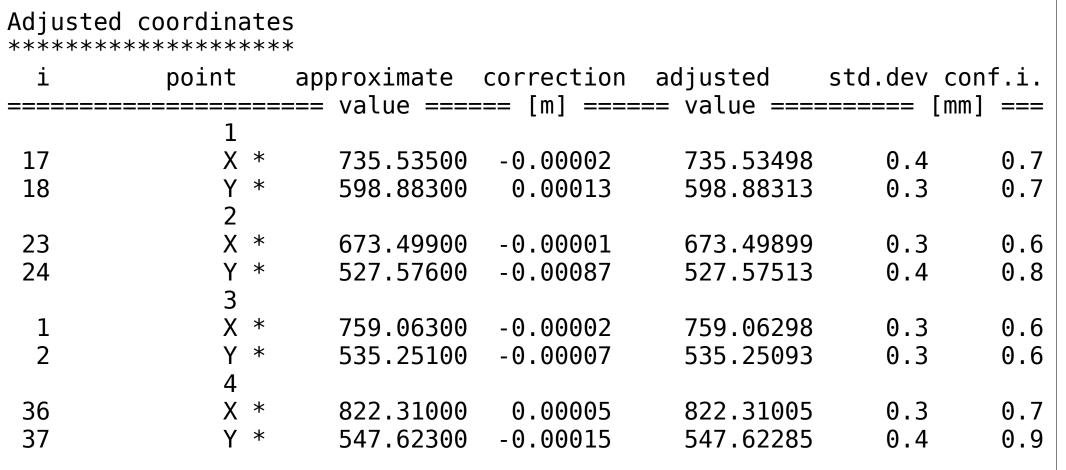
Adjustment results (GNU Gama)

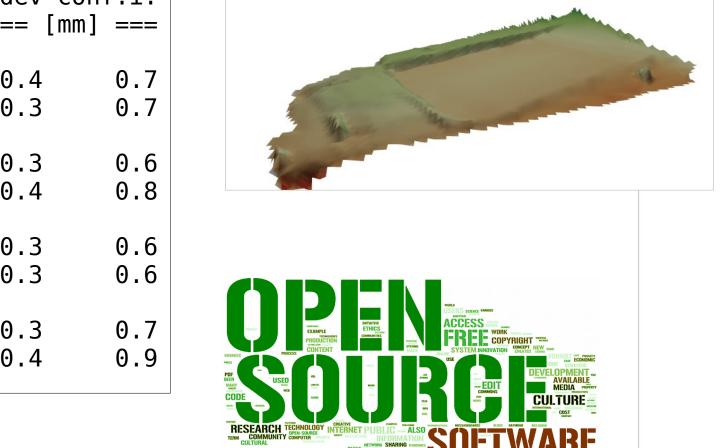
Break lines Contour lines Volume calculation **Cross sections** VRML, KML, DXF, ASCII GRID export Update, regenerate

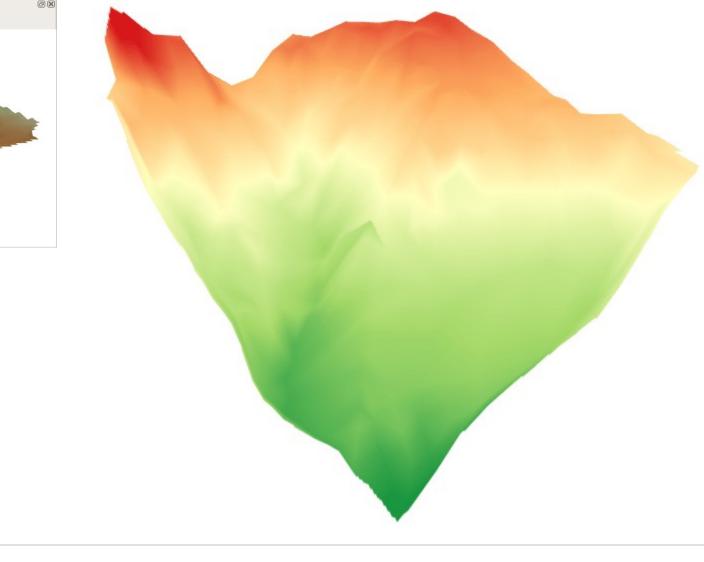
3D Map 1

Exported GRID model in QGIS 3

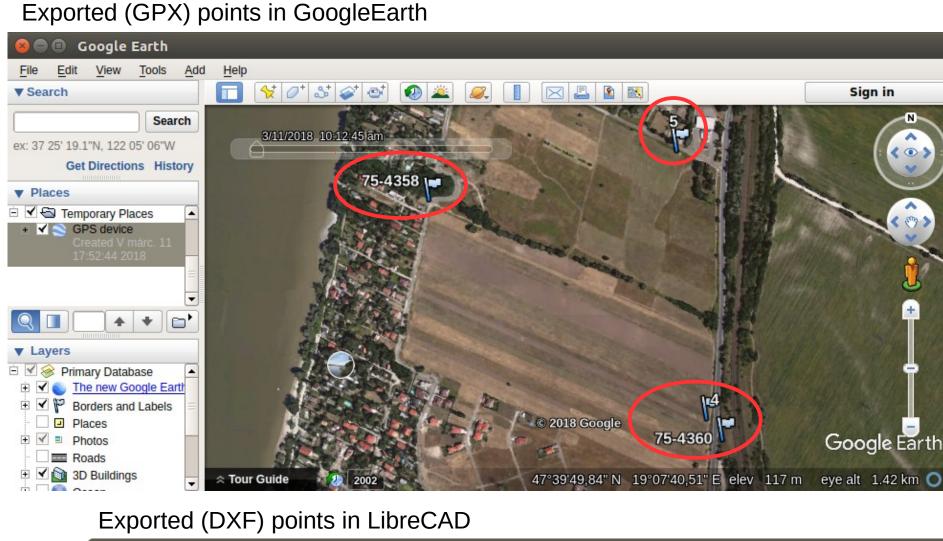




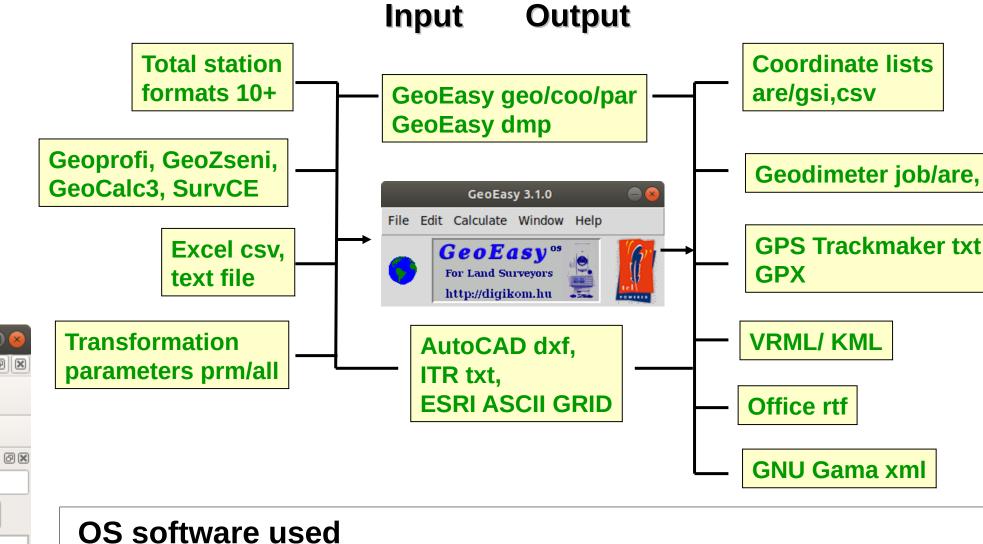


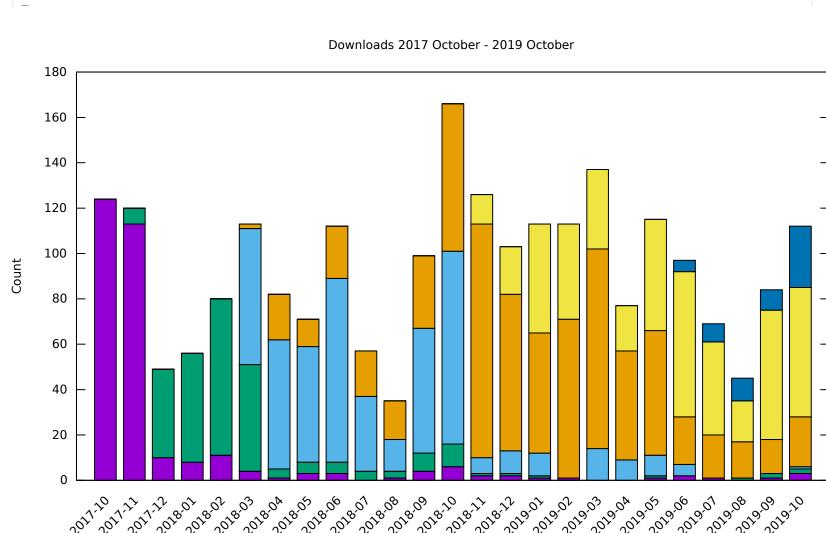


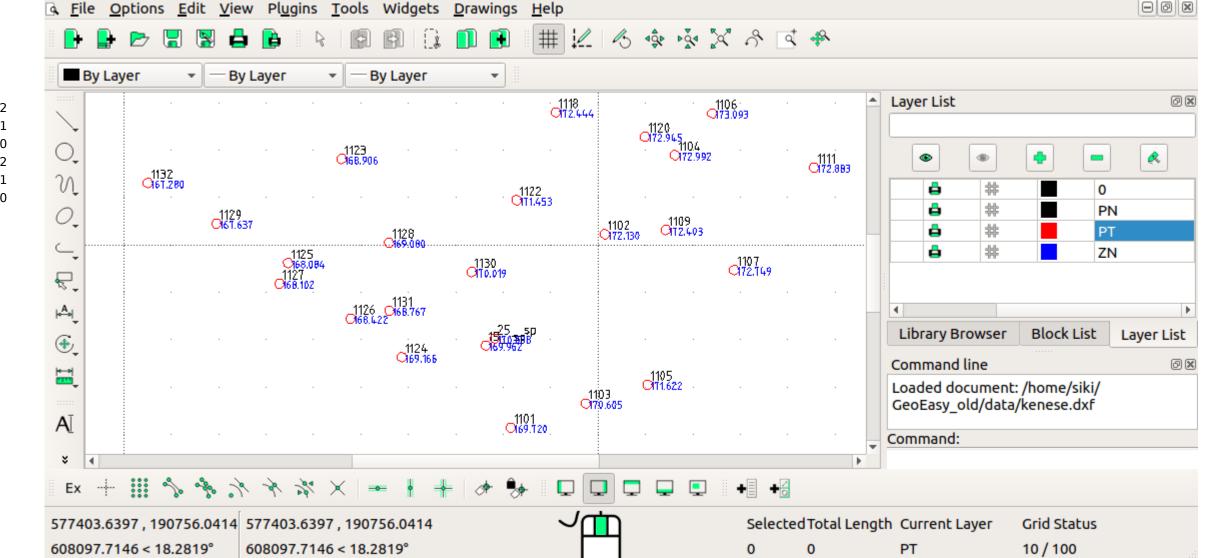
zsiki/GeoEasy: land surveying calculation, network adjustment, digital terrain models, regression calculation - Mozilla Firefox <u>E</u>dit <u>V</u>iew Hi<u>s</u>tory <u>B</u>ookmarks <u>T</u>ools <u>H</u>elp zsiki/GeoEasy: land surv∈ × |||\ □ ③ ≡ ① Ū ♠ GitHub, Inc. (US) https://github.com/zsiki/GeoEasy ... ☑ ☆ **♠** ++ **⋒**+ Pull requests Issues Marketplace Explore ☐ zsiki / GeoEasy land surveying calculation, network adjustment, digital terrain models, regression calculation http://digikom.hu/english ₫ GPL-2.0 To 419 commits 🔑 **1** branch 5 releases 2 3 contributors Create new file Upload files Find file Clone or download initial commi 2 months ago circlereg optimized yesterday 8 days ago new files added



Connections to other programs through data sets







LibreCAD - [/home/siki/GeoEasy_old/data/kenese.dxf]

Tcl/Tk (https://www.tcl.tk/)

GNU Gama (https://www.gnu.org/software/gama/)

Triangle (https://github.com/MrPhil/Triangle)

Proj cs2cs (http://proj.org)

NSIS (http://nsis.sourceforge.net/Main_Page)

Freewrap (http://freewrap.sourceforge.net/)

Bash-deb-build (https://github.com/BASH-Auto-Tools/bash-deb-build) Rst2pdf (https://rst2pdf.org)

Let us develop GeoEasy together!

Source code available on GitHub (https://github.com/zsiki/GeoEasy)

Report the errors you found in issue tracker (https://github.com/zsiki/GeoEasy/issues) Extend and correct the documentation (https://github.com/zsiki/GeoEasy/doc)

Help other users (https://github.com/zsiki/GeoEasy/wiki)

