

LANDIMPROVE

“The Down-To-Earth CAD Connection!”

LANDIMPROVE is a topographical surface modeling, analysis, and design program. A triangulated surface model provides the foundation for powerful contour mapping, volumetric calculation, and surface model design capabilities. Both 2-D and 3-D graphics are provided during data editing and mapping.

Standard Features

- ✓ Triangulated digital terrain model - allows random survey pattern
- ✓ Breakline capabilities - helps improve the accuracy of the surface model
- ✓ Ability to load and save breakline information from/to ASCII files
- ✓ Full featured coordinate editor
- ✓ Powerful 2-D and 3-D interactive graphics including:
 - Contour maps
 - Cut/fill contour maps
 - Surface grid maps
 - Point plots and more
- ✓ English or metric units
- ✓ Capacity for 5400 data points
- ✓ Contour line smoothing
- ✓ Dashed contour lines
- ✓ In-line contour labels
- ✓ User specified decimal places for contour labels
- ✓ Plotter support for CalComp, Hewlett Packard, and Houston Instruments plotters
- ✓ Interfaces with popular CAD programs
- ✓ Mouse support
- ✓ Plotter spool files

Advanced Features

- ✓ Full graphic editing of surface model, including ability to “design” a proposed surface.
- ✓ Easy subfield specification.
- ✓ Comparison of any two surfaces for cut/fill volumetric calculation.
- ✓ Plane surface design - Calculates the plane of “best fit” or the plane required by your cut/fill ratio, slope constraints, and elevation constraints.
- ✓ Optimum haul pattern/cost determination for cut/fill earthwork.
- ✓ Ability to calculate grid information, (elevations, cut/fill amounts) from random survey data.
- ✓ Ability to calculate row/lane cut/fill volumes from random survey data.

LANDIMPROVE’s goal is to allow you to interactively utilize your experience and expertise to create the designs and evaluations you need for your work!

Computer Requirements

Pentium computer with any Windows or DOS operating system required.

Optional Equipment

Printer: Supports popular laser, bubble jet, dot matrix and postscript printers, including:
Hewlett Packard LaserJet II, III, IV, DeskJet, etc.
IBM Proprinter X24, Quietwriter
EPSON 9 or 24 pin dot matrix
Others include: Canon, Okidata, Toshiba, and Xerox

Plotter: Supports popular plotters including:
Houston Instruments models DMP 41/42, 51/52, 56, 60 series
Hewlett Packard models 7475A, 758xB series, DXL, EXL, DraftPro, DraftMaster
CalComp 1020, 1040 series
IO-LINE LP 3700, LP4000
Numonics 5460, 5860
Any device that can utilize the HP-GL/2 plotter language

CAD Program: Supports the following CAD transfer file formats:
AutoCAD DXF™ files
Generic CADD Batch Files

Price and Ordering Information

LANDIMPROVE provides many tools for surface model manipulation/design. With over 15 years of development behind it and suggestions from many users, LANDIMPROVE has become an extremely powerful and flexible, surface modeling program. It is very competitively priced at \$999.00. For more information or to order the program, contact:

ATTN: LANDIMPROVE version 4.1
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Let LANDIMPROVE begin working for you. Contact us and we will talk about how you can start using LANDIMPROVE's many capabilities!