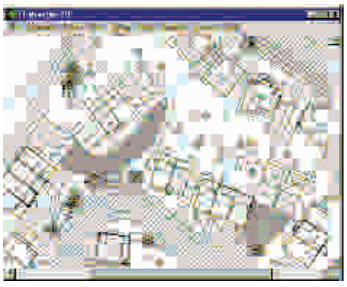
GEOMATiX
Solutions & Applications

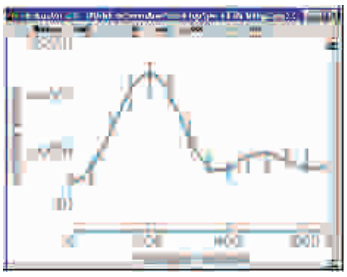
# XYit

Extracting XY positions from images is becoming an important requirement in science, engineering and business as vector data storage is increasingly used. Now, with XYit you can capture graphical data in its original co-ordinates, saving hours or even days of tedious measurement work. XYit accurately converts your selected image features - as lines, points or areas - ready for export to a word-processor or spreadsheet. And you can superimpose your own data points back onto an image - making it an ideal tool for creating customised plans and maps.



## Suitable Images

The image can be a diagram, map, nautical chart, graph or a picture. Even if your image contains date axes, logarithmic axes or Mercator maps, XYit will still be able to get you the original values from the image - ready for your onward processing and storage. With its sophisticated image calibration facilities, XYit gives you accurate XY values even if your image is distorted, skewed, squashed or rotated. XYit supports over 19 image formats and can source the image from a file, the clipboard, or from the screen itself.



## Operation

Image set up is easy; simply enter four known corners within the image, or if your image does not contain well defined corners you can use three known points anywhere within the image for calibration. From then onwards, you simply click the points you want to digitise in the image or you can follow features in the image using the special facilities provided in XYit; these will automatically follow lines or scan your image for similarly coloured objects. The XY values can then be exported to the clipboard or text file for input to a spreadsheet or word processor etc.

## Applications

XYit has almost limitless application. XYit has been successfully used in a variety of diverse fields, some of which are listed below.

- Finance & Stock Market
- Civil Engineering, Planning & Surveying
- Mapping & Cartography
- Marine Data Capture
- Scientific Analysis
- Electronic & Optical Engineering
- Gene Plot Ananlysis

If you think XYit may be able to meet your image data capture requirements, please contact us for further information about this unique, time saving tool.

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# Specification

## Image

Sources File, Clipboard, Screen
Functions Rotate, Zoom-In/Zoom-Out (on cursor), scroll, drag
Formats BMP, CALS, DCX, DIB, GIF, HRZ, ICO, JPG, MOD:CA, PBM, PCX, PGM, PIC, PNG, PPM, RLE, TGA, TIF, WMF, WPG

## Data Export

Destinations File, Clipboard
Format: ASCII X, Y Co-ordinate pairs -tab / CRLF delimited

## Mapping

2 Corner Rectangular
3 Corner Linear
4 Corner Non-Linear
3 Arbitrary Known Points Linear

## Axes Types

X Axis Linear, Logarithmic, Date, Mercator Longitude
Y Axis Linear, Logarithmic, Mercator Latitude

## Point Digitising

Manual Mouse clicks generate points in ORIGINAL co-ordinates
Automatic Image Scanning / Line Following based on pixel colour
Point Removal Automatic Thinning with user specified tolerance

## Viewer

Magnified, Points Readout in Real Co-ordinates

## Analysis

Data points Analysis, Length, Area, Standard Deviation

## Help

Fully Interactive Windows Help

## System Resource

Download Size 3.0 Mb
Operating 6Mb HDD 16Mb RAM

## Operating Systems

Windows 95, 98, 2000, NT, ME, XP

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