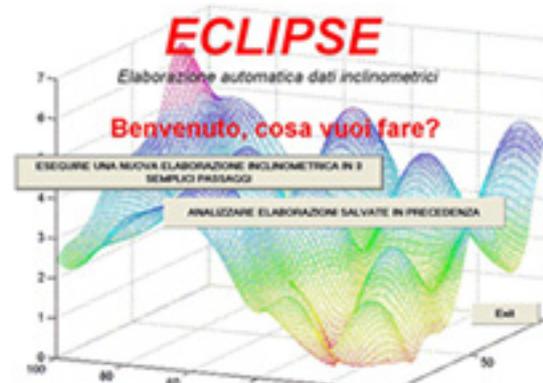


# ECLIPSE

(Elastic Computed Line InclinoMetric Processing SoftwarE)



AGISCO has developed powerful software for processing inclinometric data. Using limited readings from fixed inclinometric torpedoes it can extrapolate results as accurate as those produced using a manual torpedo.

This software is developed on an algorithm based on the polynomial interpolation theory combined with elastic line theory.

By using information derived from the coordinates of the measuring points and rotations from inclinometers' readings the algorithm computes the deflection curve of the inclinometric casing and reproduces it by using polynomial interpolation technique.

When reproducing an inclinometric curve, using a limited number of points, errors can be easily made due to the lack of readings along certain parts of the casing.

ECLIPSE is developed to overcome such problems.

ECLIPSE splits the computation of the deflection curve into several smaller partial and specific algorithms, and subsequently links the different results by applying the displacement and rotational congruence.

The curve obtained by using this technique of interpolation, specifically developed for computation of an inclinometric vertical line, results in the predicted deflection curve being as accurate as those of the inclinometric torpedo itself.

The ECLIPSE software for inclinometric data processing stores, processes and graphs inclinometric readings from one or more inclinometric processes.

The following parameters are automatically computed and supplied: absolute displacement, absolute azimuth values as

**SOFTWARE**



a function of depth, relative displacements in respect to the zero reading, and their corresponding azimuth values.

Through a specially developed window the software reduces to the minimum the work required by its user.

ECLIPSE allows both a general overview and an initial diagrammatical view of the

data collected, concentrating on exception analysis in real time.

Automated measurement, together with integration with ECLIPSE software enables AGISCO to continually monitor unstable slopes, dam foundations, instrumented diaphragm walls, etc.

Before attempting to install the software please ensure your equipment meets the minimum system requirements

### MINIMUM SYSTEM REQUIREMENTS

ECLIPSE	
Processor	Pentium IV or AMD equivalent
Operatine System (Microsoft)	Windows 2000, NT, XP Professional SP2
RAM	512 Mb

*Agisco reserve the right to change their products and specifications without notice*

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