

WipJoint WipJoint

BECAUSE YOU CAN'T MANAGE WHAT YOU CAN'T MEASURE!



WHAT IS WIPJOINT?

WipJoint is a software mapping module which enables the user to characterize and measure jointing on in-situ rock surfaces. It is available as a stand-alone module or as an addition to our famous WipFrag size distribution software.

HOW IT WORKS

WipJoint was developed for use in structural mapping of highwalls in open pits, road cuts and development faces in underground mining and construction. Joint orientation and spacing has a profound influence on blasting design, wall control and stabilization. Joint mapping is essential for accurate rock quality designations and features prominently in most rock mass classifications. WipJoint will indicate the in-situ block size from the jointing pattern data that is evident on the rock face.

WipJoint allows you to document the jointing patterns encountered and defines the orientation and spacing of the joints, from which one can measure more accurately the safety or blastability of the rock.

“WipJoint...
increase safety...
decrease costs.”

THE TECHNOLOGY

WipJoint is specially designed software which enables you to measure and characterize jointing patterns on in-situ rock. WipJoint can use images from digital cameras, scanned images or video-tape playback, (NTSC or PAL). Once the photo is captured, analysis is easy. After opening the sample photo in the WipJoint software, you can generate results in seconds. WipJoint outputs all of the data onto one easy to read screen featuring spacing and orientation rosettes, as well as an 'apparent block size' graph.

THE RESULTS

The easy to read output rosettes and graph in WipJoint can be an invaluable addition to your industry. WipJoint data is extremely important for helping contractors, mine planners, blasters and design engineers.

Quarry operators will be able to pre-determine the blastability of material based on the jointing data, and assess the damage caused by previous blasting and pre-shear efforts on the highwall.

Contractors will find the data invaluable in monitoring the safety of tunnels and rockcuts for highways. In tunneling and underground mining, jointing data can help save some costs of anchors and shotcrete from overblasted material in heavily jointed areas.

Highwall and rockcut deterioration along with fracture mapping can be documented with WipJoint.

Photoanalysis Systems

WipWare Inc. Photoanalysis Systems

145 Palang Road, Bonfield ON, P0H 1E0 Canada Tel: 705-776-1882 Fax: 705-776-1580 E-mail: sales@wipware.com Website: www.wipware.com



WipFrag - wip_Os2.jnt

File Edit View Window Help

WipJoint1

wip_Os2.jnt

WipFrag@Win Ver: 2.4 Build 28
WipWare Inc. ID=wip_Os2

Max=0.108m Min=0.068m Ratio=1.6

Max=20.586m

SPACING ROSETTE

ORIENTATION ROSETTE

Weight %

WipJoint

| | |
|--------|-----------|
| min | = 0.010 m |
| max | = 0.278 m |
| blocks | = 690 |
| mean | = 0.143 m |
| stdev | = 0.070 m |
| mode | = 0.191 m |

APPARENT BLOCK SIZE (Diameter of an Equivalent Sphere (m))