

Cam

up to 5 components) can be modelled as we can visualize up to 10 directions at the time. Anisotropies are handled through the use of 3 variogram ranges and 3 rotation angles defining the anisotropy ellipse which can be oriented in 3D space. A plot option is provided for plotting both the experimental and modelled variograms. A report option will output the variogram model parameters in a format compatible with KRIGE3 terminology. A fit parameter is constantly calculated to show the improvement of the fitness of the modeled variogram equation when parameters are modified.

The interactive environment allows you to use the mouse to quickly modify any one of your equation parameters. The model is automatically redrawn each time a parameter is modified. VMODEL is a natural complement to VARIO3 which produces a variogram modelling file ready to be used by VMODEL. Ask for details. □

Ore reserve estimation tips

Sample reuse (KRIJAC) might be a useful tool to evaluate various estimation methods when no real production data is available. In a recent study on a large Zn+Pb open pit mine, the error prediction capability of the variogram model for % Pb+Zn of 20' bench composites in a specific ore type was tested by (ordinary) kriging, with that variogram, the grade of each composite from composites around in different holes: in 67% of the cases, the experimental error was less than the predicted standard error and in 95% of the cases it was less than twice the standard error. KRIJAC was also used to find the nearest BH to each DH composite in some mined out benches: the categorisation of one ore type was questioned when we found that, for 50% of the DH composites classified in that ore type, the nearest BH, at less than 20' distance, was classified in a different ore type. Finally in the same project, KRIJAC was used again to test the potential benefits of BH kriging vs manual contouring of individual BH values: in that case, we found that with BH kriging, we should recover 12% more tonnes at the expected grade whereas manual contouring eventually leads to a 8.5% grade shortfall. □

So why aren't they doing it

SECTCAD update

SECTCAD is being improved to include a plot option. Directly from SECTCAD, you will be able to produce section maps at scale that will contain the information (holes, geology, block, figures) currently loaded on the screen. The search features (coloured boxes) are rendered exactly as they appear on the screen. However, this option is intended to quickly put down on paper what you see on the screen. It does not have all the cosmetic features of the SECT program which should be used for master section map plotting. □

'91 training program

The brochure for the 1991 courses is out. This year, we have added two new courses: *Caractérisation de sites contaminés assistée par ordinateur* (a french course on computer aided contaminated sites characterization) and *Geostatistics for reservoir characterization and management*. The schedule is as follows:

- March 19-21 - *Microcomputer orebody modelling.*
- May 28-30 - *Caractérisation de sites contaminés assistée par ordinateur.*
- June 18-20 - *Geostatistics for ore reserve estimation and grade control.*
- September 24-26 - *Microcomputer orebody modelling.*
- October 1-3 - *Geostatistics for reservoir characterization and management.*
- December 3-5 - *Geostatistics for ore reserve estimation and grade control.*

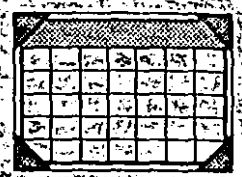
Register early, the cost of each of the three days courses is only \$625 Can. Please ask for our complete brochure. □

On-line support ☎

Our modem line is dedicated to on-line customer support. We support Carbon Copy users. Installation problems, data problems and even software errors can be quickly solved with the remote control capabilities of Carbon Copy. Do not hesitate to take advantage of this service. Can't wait to get the latest release of a program? we can transfer it to you in minutes. We support CrossTalk and Procomm. **The modem line number is (514) 522-3890. □**

Agenda

GSII will be represented at the following events.



- ▼ **GSII Course** - Microcomputer orebody modelling, march 19-21, 1991, Montréal, Canada.
- ◆ **Enviraction** - Conférence Internationale sur l'Environnement, 22-23 mars 1991, Montréal, Canada.
- ◆ **Prospectors & Developers Association** annual convention, March 24-27, 1991, Toronto, Canada.
- ◆ **Association Professionnelle des Géologues et Géophysiciens du Québec**, congrès annuel, 10-12 avril 1991, Montréal, Canada.
- ◆ **Conférence Hydrographique du Canada 1991**, 15-19 avril 1991, Rimouski, Canada.
- ◆ **Canadian Institute of Mining and Metallurgy** annual general meeting, April 28 - May 1, 1991, Vancouver, Canada.
- ◆ **Conférence Canadienne sur la géotechnique environnementale**, 14-16 mai 1991, Montréal, Canada.
- ▼ **Cours SGII** - Caractérisation de sites contaminés assistée par ordinateur, 28-30 mai 1991, Montréal, Canada.
- ◆ **Canadian Society of Petroleum Geologists** Convention, June 16-19 1991, Calgary, Canada.
- ▼ **GSII Course** - Geostatistics for ore reserve estimation and grade control, June 18-20, 1991. Montréal, Canada.
- ◆ **Computer Application in the Mineral Industry (CAMI)** conference, September 15-18, 1991, Vancouver, Canada.
- ▼ **GSII Course** - Microcomputer orebody modelling, September 24-26, 1991, Montréal, Canada.

Sun/Unix Update

Our Sun SparcStation 1+ is now installed and operational. We have ported KRIGE3 and VARIO3. The speed increase over the 80386 CPU is incredible. We will soon be in a position to integrate our menu system in the Open Windows environment and release the programs on the market. If you are interested in Sun versions of our programs just give us a call. □