BotoSeis: A user-friendly graphical interface for SU

by

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1. What is the BotoSeis?
2. The main processing interface
3. Interactive tools
4. Conclusion and perspectives
What is the BotoSeis?

The BotoSeis is a simple graphical user interface created to teach seismic processing using the Seismic Un*x package.
What mean BotoSeis?

Boto is the legendary Amazonian dolphin.

http://en.wikipedia.org/wiki/Amazon_river_dolphin
2. The main graphical interface of BotoSeis
2. The main graphical interface of BotoSeis

Options to handle projects, lines and workflows:

- Create and save a project
- Load projects
- Create and load several lines for a project
- Create and load several workflows for a line
- Rename a project, line and workflow
- Delete project, line and workflow
2. The main graphical interface of BotoSeis
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Options to build workflows:

- Move up and move down a process
- Insert a process in any place
- Comment a process
- Deleting a process
2. The main graphical interface of BotoSeis
Running options and information of a workflow:

- Log file
- Stop the job execution
- Status of a job
- Start time and end time
- Used memory
2. The main graphical interface of BotoSeis
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Options to add and edit programs:

- Interactive addition of a new program from SU, MADAGASCAR,…
- Interactive edition of any added program
2. The main graphical interface of BotoSeis
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The BotoSeis Project also has objective to develop interactive tools for some processes, such as:

- Geometry
- Data visualization
- Velocity analysis
- Spectral analysis
- F-K filter
- etc.
3. Interactive tools of BotoSeis

BotoView : Interactive data visualization tool
3. Interactive tools of BotoSeis

BotoView : Interactive data visualization tool

Image mode

Image+wiggle mode
3. Interactive tools of BotoSeis

BotoView: Interactive data visualization tool

Gain option

AGC gain
3. Interactive tools of BotoSeis

BotoView: Interactive data visualization tool

Zoom option
3. Interactive tools of BotoSeis

BotoView: Interactive data visualization tool

Headers information
3. Interactive tools of BotoSeis
BotoVelan : Interactive velocity analysis tool
3. Interactive tools of BotoSeis

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3. Interactive tools of BotoSeis

BotoVelan: Interactive velocity analysis tool

Using the picked velocities for stack
3. Interactive tools of BotoSeis

BotoVelan : Interactive velocity analysis tool
4. Conclusions and perspectives

- The BotoSeis is a simples and useful way to use interactively the SU package and others as MADAGASCAR.

- The two interactive tools of BotoSeis simplify enough the data visualization and velocity analysis.

- We will continue developing new interactive tools and improving the existing tools incorporating elements like in the commercial packages.
Please, download the BotoSeis from:

http://sourceforge.net/projects/botoseis/

Have fun using it !!!

Thanks