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## Vizualization Tools

### eeg

- **Description**

EEG, MEG, LFP or any continuous data vizualization tool.

- **Usage**

eeg [myeegfilein.eeg]

option :

- myeegfilein.eeg : input EEG file to load (with extension). If no file is specified, the program opens a blank window. Then select the "Load" menu to load a file.

- **Fields of parameter file and examples**

- **Examples**

- **Comments**

- **Current version**

6.171 11-09-2014

- **History**

- 6.163 01-03-2012 (PEA) : curve drawing library modification (adds file name drawing in curve attributes window).
- 6.164 03-04-2012 (PEA) : adds floating point to inter cursor time measure.
- 6.165 18-04-2012 (PEA) : adds experimental features to stable release (removes experimental branch).
- 6.166 27-04-2012 (PEA) : minor modifications due to use of libcurves map module in [erpa](#) [1].
- 6.167 27-04-2012 (PEA) : fixes an error in PDF creation when exporting curves plotting (libcurves).
- 6.168 30-05-2012 (PEA) : fixes an error when drawing isocontours of maps.
- 6.169 18-04-2013 (PEA) : adds saving of spectrogram data as continuous file (saves the power spectrum of bands (one file for each band) or saves the power of the full band). Fixes memory allocation problems in spectrogram functions.
- 6.170 11-09-2013 (PEA) : fixes a crash when closing a spatio-temporal view from curve window (in libcurves).
- 6.171 11-09-2014 (PEA) : fixes event handling (adding and vizualization mode changing).

- **Files**

\$ELANPATH/bin/eeg

- **See also**

[erpa](#) [1], [tfviz](#) [2]

## erpa

- **Description**

Evoked potential, frequency or time profile, or any event related data visualization tool.

- **Usage**

```
erpa [myepfilein1.p [myepfilein2.p [...]]]
```

option :

- myepfilein1.p myepfilein2.p ... : input EP file list to load (with extension).  
If no file is specified, the program opens a blank window. Then select the "Files / Load" menu to load a file.

- **Fields of parameter file and examples**

- **Examples**

- **Comments**

- **Current version**

6.169 11-09-2013

- **History**

- 6.163 01-03-2012 (PEA) : curve drawing library modification (adds file name drawing in curve attributes window).
- 6.164 18-04-2012 (PEA) : adds experimental features to stable release (removes experimental branch).
- 6.165 27-04-2012 (PEA) : use of libcurves map module (adds interpolation choice feature).
- 6.166 27-04-2012 (PEA) : fixes an error in PDF creation when exporting curves plotting (libcurves).
- 6.167 30-05-2012 (PEA) : fixes an error when drawing isocontours of maps.
- 6.168 03-07-2012 (PEA) : fixes an error when displaying electrode positions in maps (only from Map menu).  
Maps are good, only electrode positions are incorrect. Fixes round in number of samples when loading files (memory corruption).
- 6.169 11-09-2013 (PEA) : fixes a crash when closing a spatio-temporal view from curve window (in libcurves).

- **Files**

\$ELANPATH/bin/erpa

- **See also**

[eeg](#) <sup>[3]</sup>, [tfviz](#) <sup>[2]</sup>

## tfviz

- **Description**

Any time-frequency analysis result (TF, phase-locking factor, synchrony) visualization tool.

- **Usage**

```
tfviz [mytf_filein1 [mytf_filein2 [...]]]
```

option :

- mytf\_filein1 mytf\_filein2 ... : input TF file list to load (with extension).  
If no file is specified, the program opens a blank window. Then select the "Files / Load" menu to load a file.

- **Fields of parameter file and examples**

- **Examples**

- **Comments**

- **Current version**

1.047 11-09-2013

- **History**

- 1.041 01-03-2012 (PEA) : curve drawing library modification (adds file name drawing in curve attributes window).
- 1.042 18-04-2012 (PEA) : adds experimental features to stable release (removes experimental branch).
- 1.043 27-04-2012 (PEA) : minor modifications due to use of libcurves map module in [erpa](#) [1].
- 1.044 27-04-2012 (PEA) : fixes an error in PDF creation when exporting curves plotting (libcurves).
- 1.045 30-05-2012 (PEA) : fixes an error when drawing iscontours of maps.
- 1.046 27-08-2013 (PEA) : fixes a crash appeared with Debian 7 64 bits (segmentation fault at launch). Seems to be due to widget creation order (XGetGeometry crash, no pointer to window).
- 1.047 11-09-2013 (PEA) : fixes a crash when closing a spatio-temporal view from curve window (in libcurves).

- **Files**

\$ELANPATH/bin/tfviz

- **See also**

[erpa](#) [1], [eeg](#) [3]

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**CRNL**



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Source URL: [http://elan.lyon.inserm.fr/?q=ref\\_viz\\_tool](http://elan.lyon.inserm.fr/?q=ref_viz_tool)

**Links:**

[1] <http://elan.lyon.inserm.fr/?q=erpa>

[2] <http://elan.lyon.inserm.fr/?q=tfviz>

[3] <http://elan.lyon.inserm.fr/?q=eeg>