A survival kit for Sesarray graphical tools

Tutorial

SESARRAY PACKAGE

GEOPSY

array tools

H/V | damping | FK | Capon | MSPAC | MASW

figue

figures

gp tools

Dispersion curves

Ellipticity curves

Autocorr. Curves

...

Post-processing

max2curve | **spac2disp**

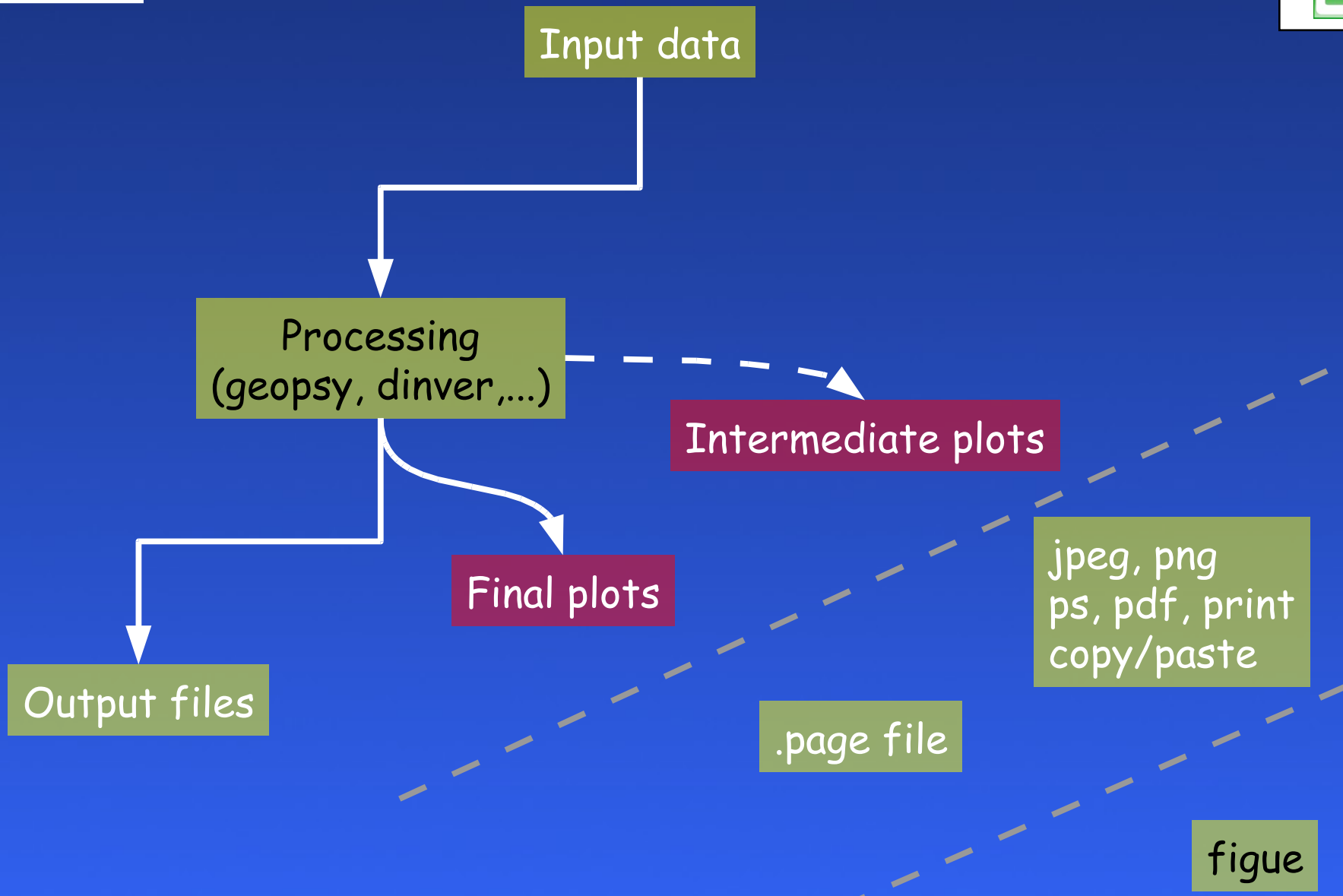
build_array

Array response

DINVER

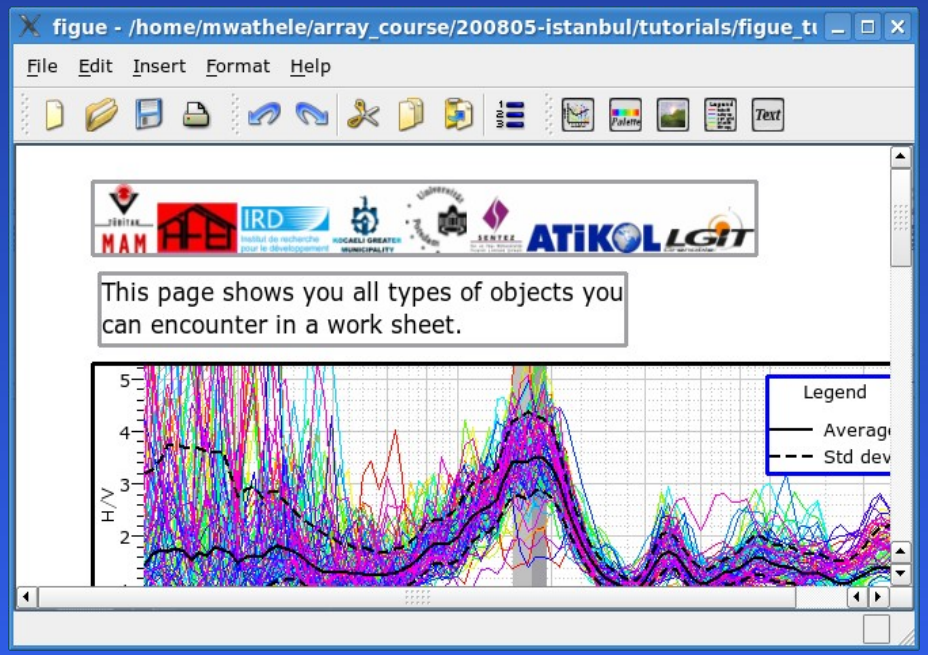
inversion

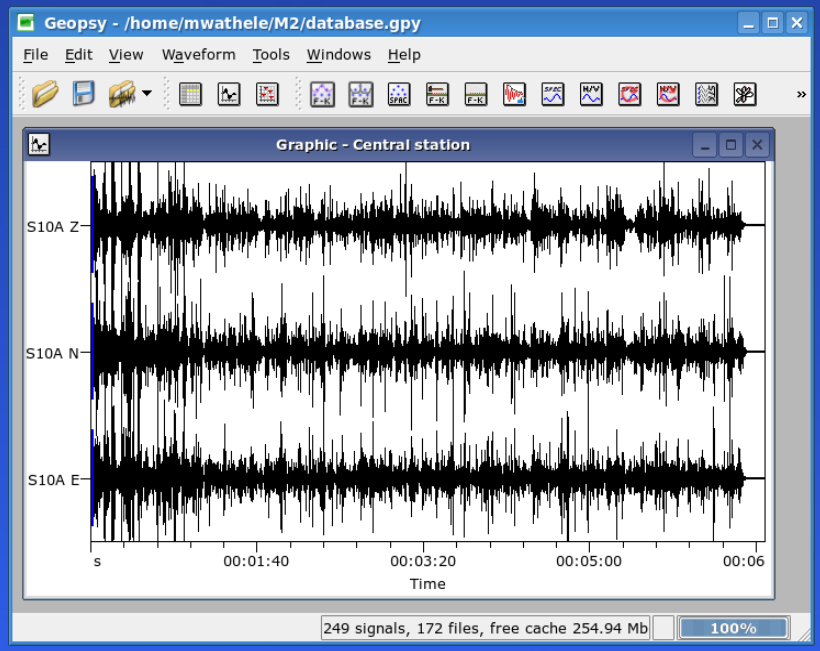
workflow


Input data
Processing
(geopsy, dinver,...)
Intermediate plots
Final plots
Output files
jpeg, png
ps, pdf, print
copy/paste
.page file
figue

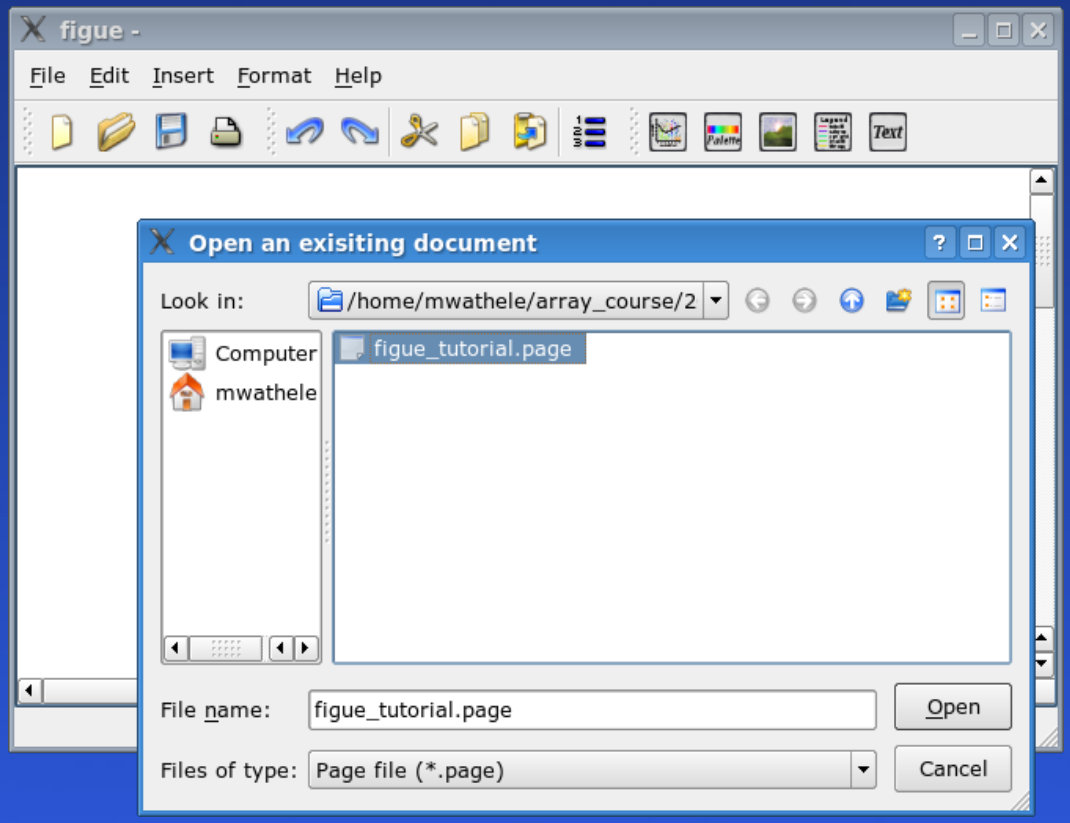
Objects inside a sheet or objects alone

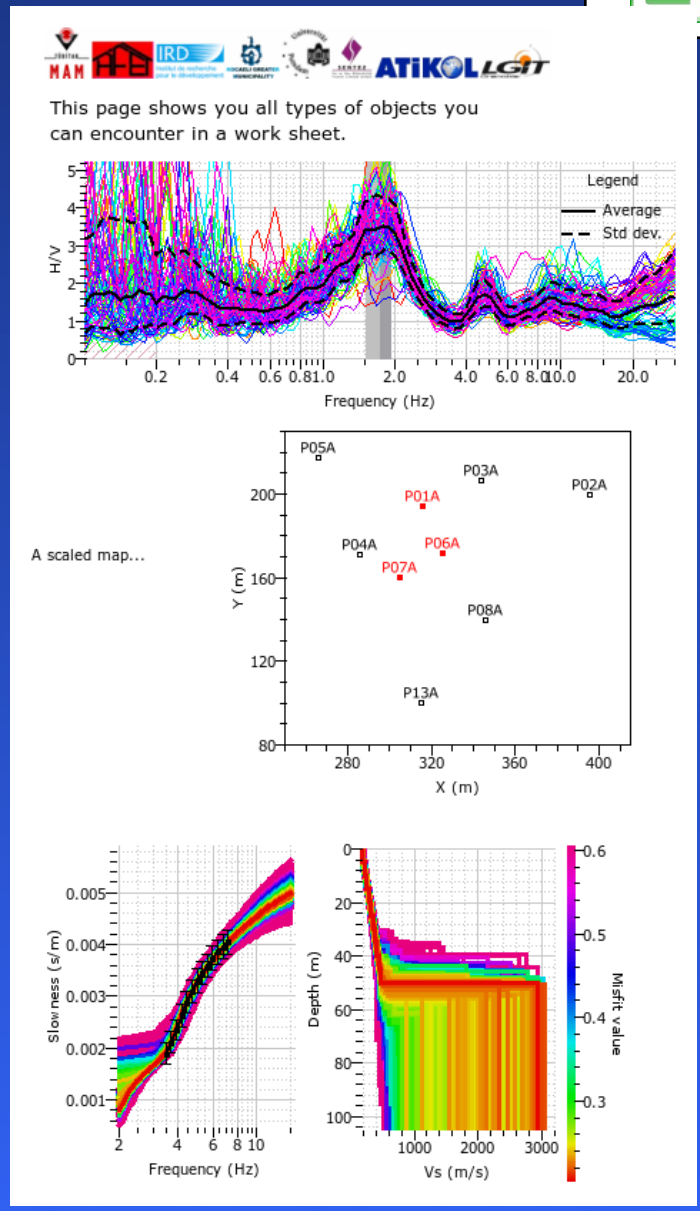
"What you see is what you get"





example: exercise with figue





Image

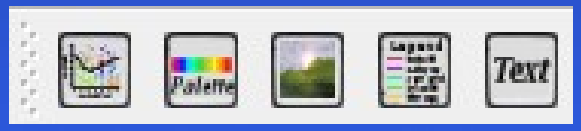
Text

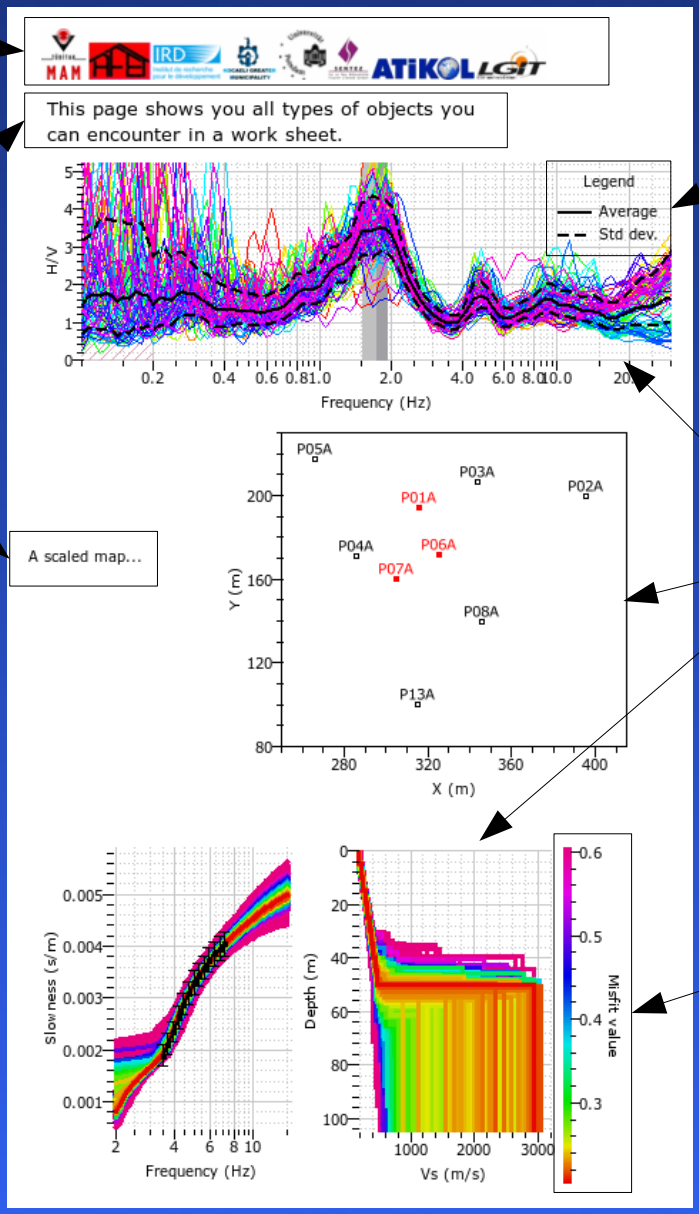
Legend

2D plots

Palette

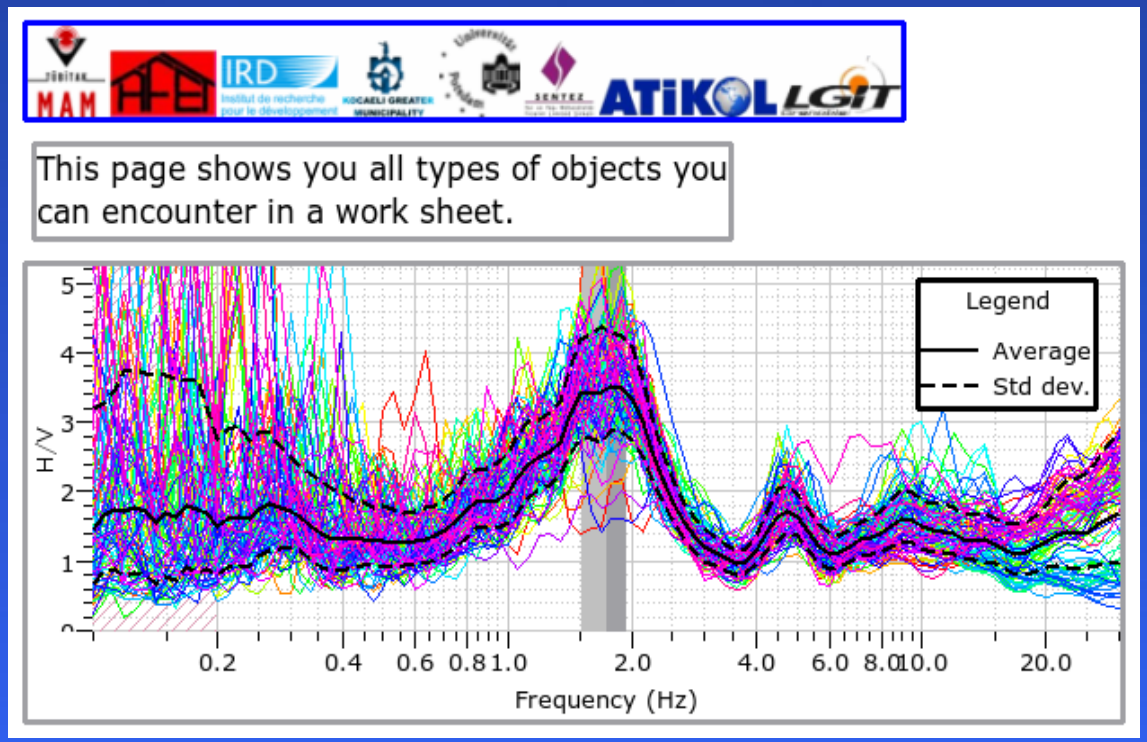
Types of objects





tion of objects in a sheet

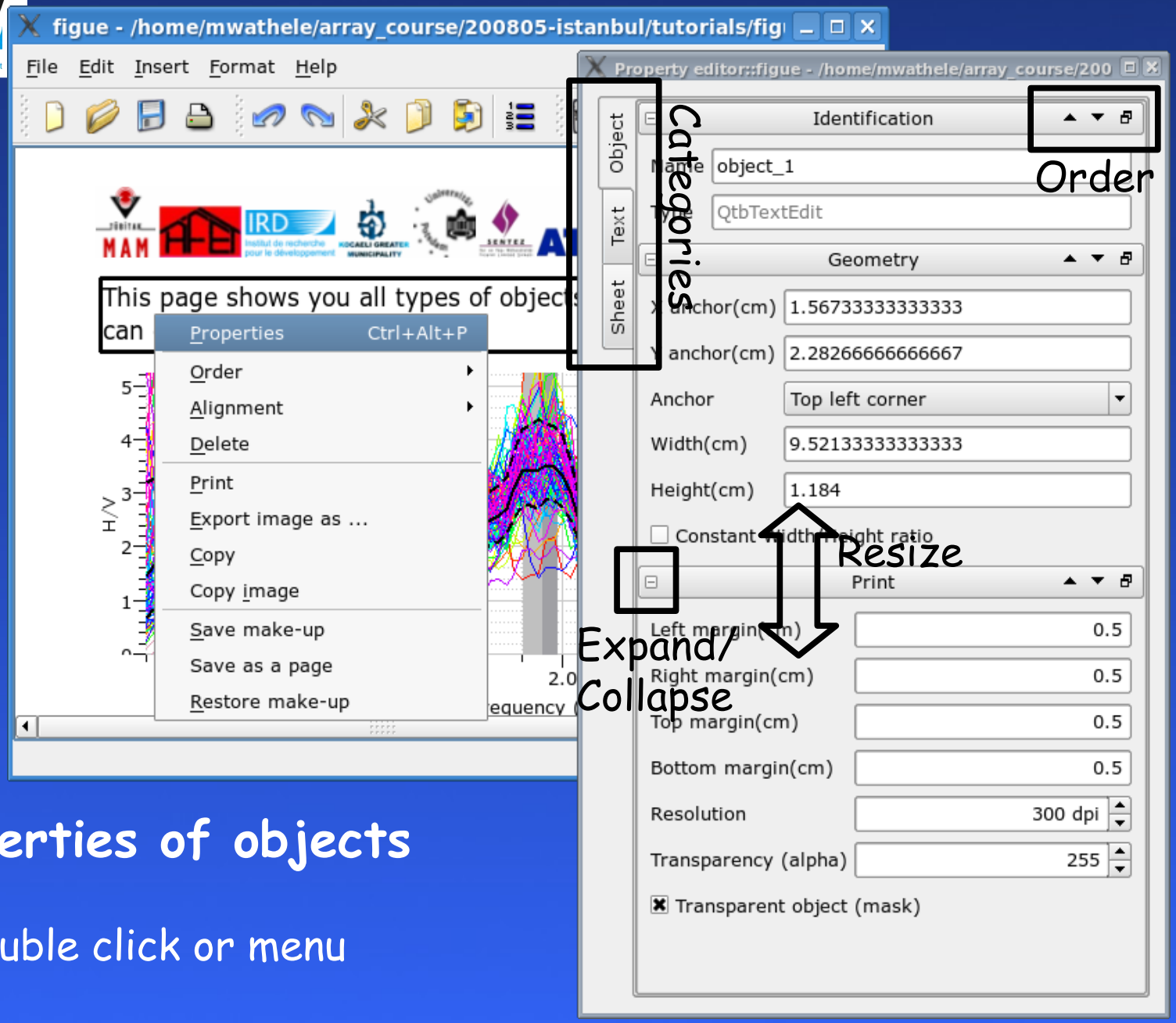
Blue: hoover, object is not selected but will be if mouse is clicked
Black: selected and active object (only one active at a time)
Gray: selected object, part of a multiple selection, not active



Key strokes:

TAB
go to next object and make it active

SHIFT
multiple selection



Properties of objects

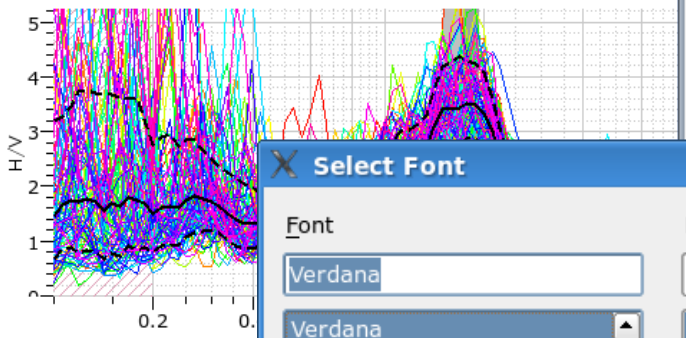
Double click or menu

rties of a text

figue - /home/mwathele/array_course/200805-istanbul/tutorials/

File Edit Insert Format Help

This page shows you all types of objects you can encounter in a work sheet.



Property editor::figue - /home/mwathele/array_course/200

Object Text Sheet

Format

Text: This page shows you all types of objects you can encounter in a work sheet.

Text as data

Auto-resize to text

Fonts change ...

Select Font

Font: Verdana

Font style: Normal

Size: 12

Verdana	Normal	12
Victoriana Display SSi	Italic	14
Webdings	Bold	16
WindsorDemi	Bold Italic	18
ZaleskiCaps		20

Effects

Strikeout

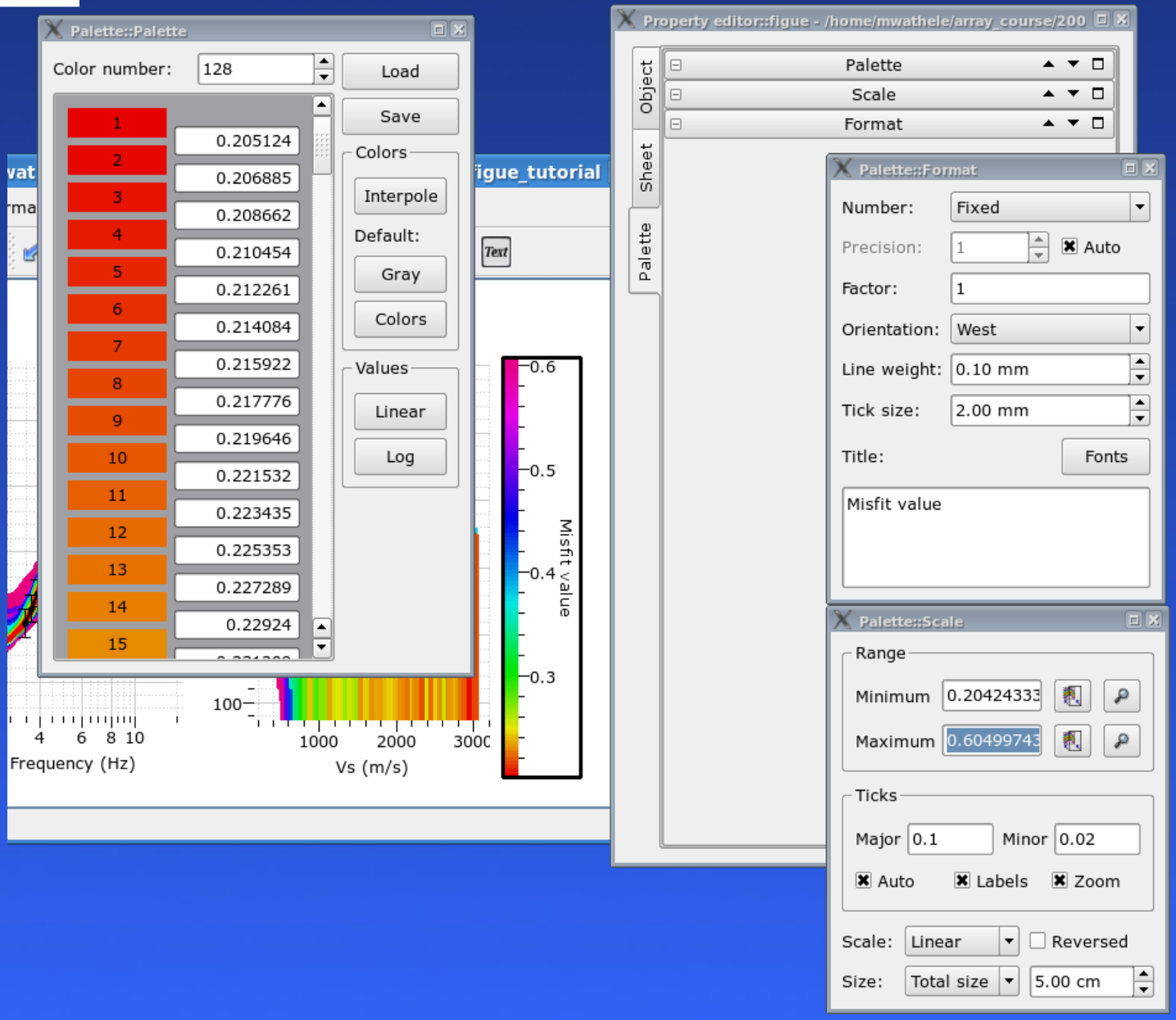
Underline

Sample: AaBbYyZz

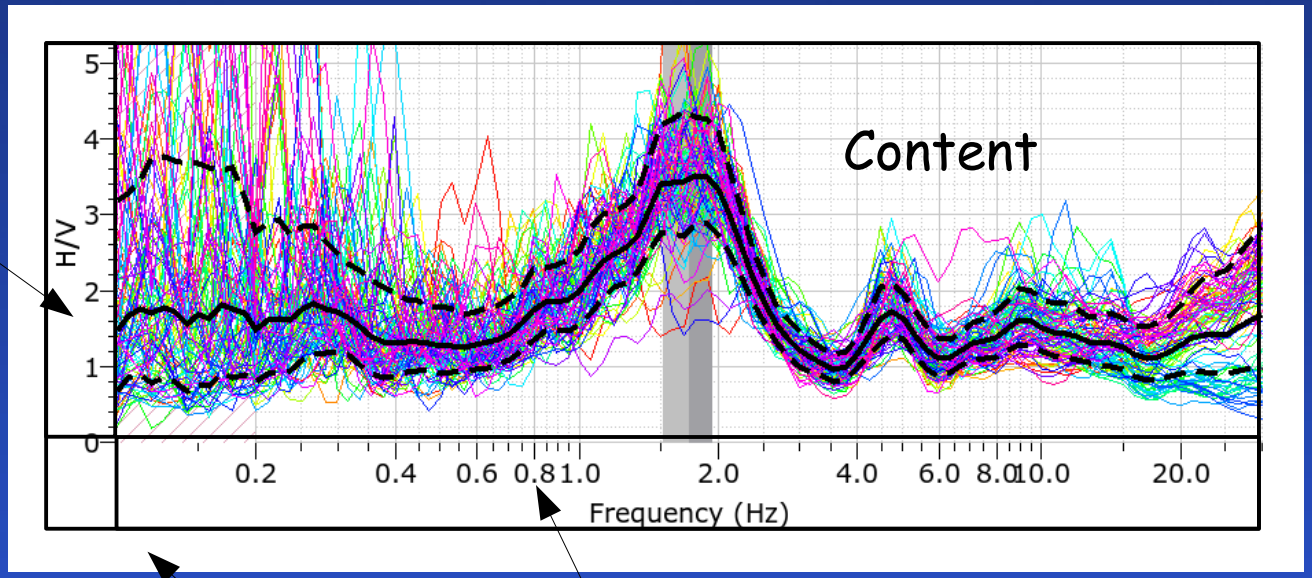
Writing System: Any

OK Cancel

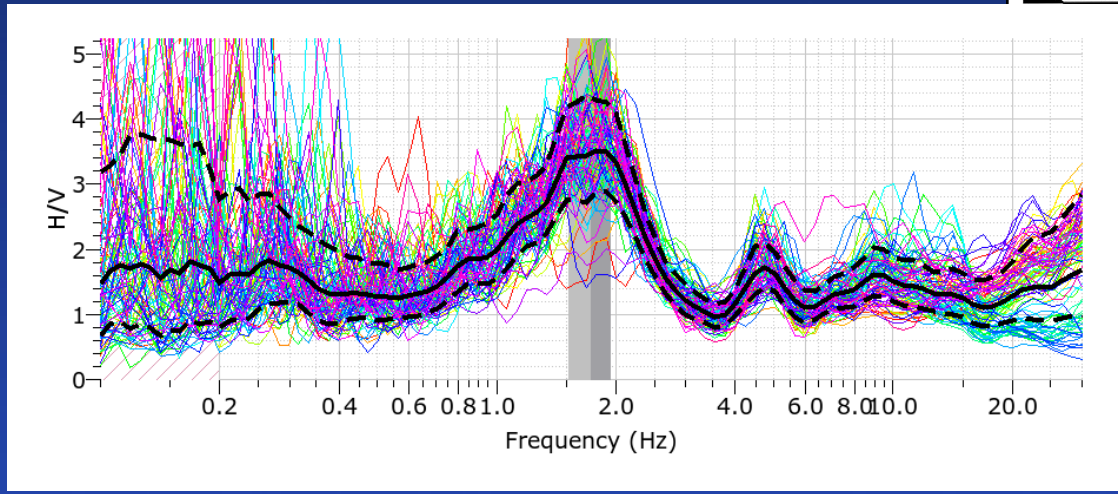
rties of a palette

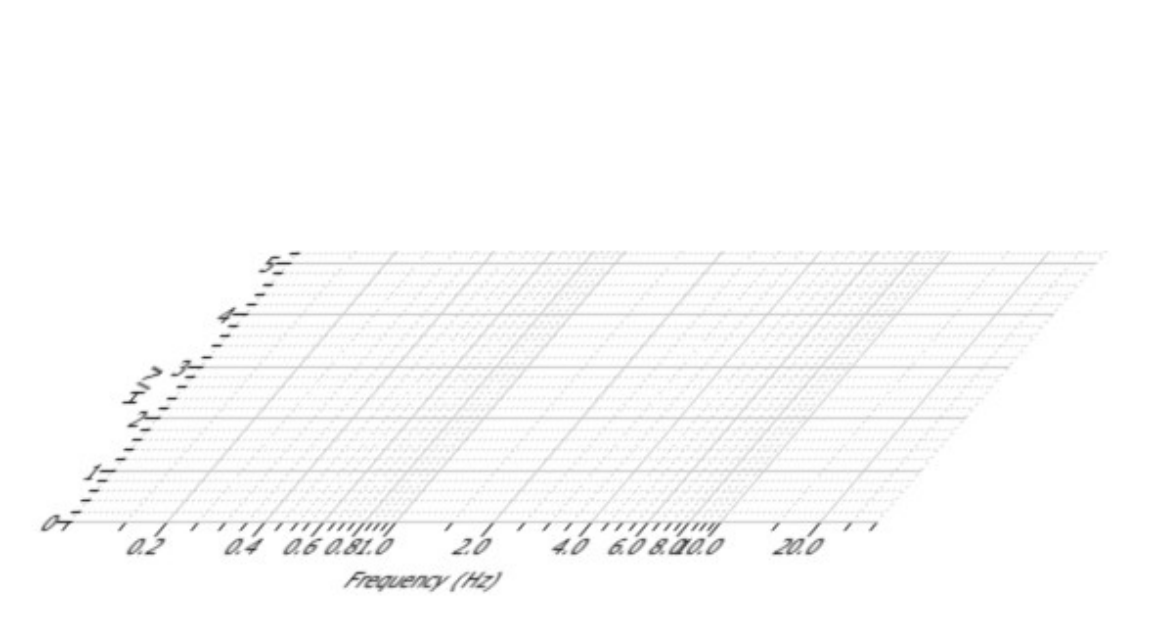


rties of a 2D plot

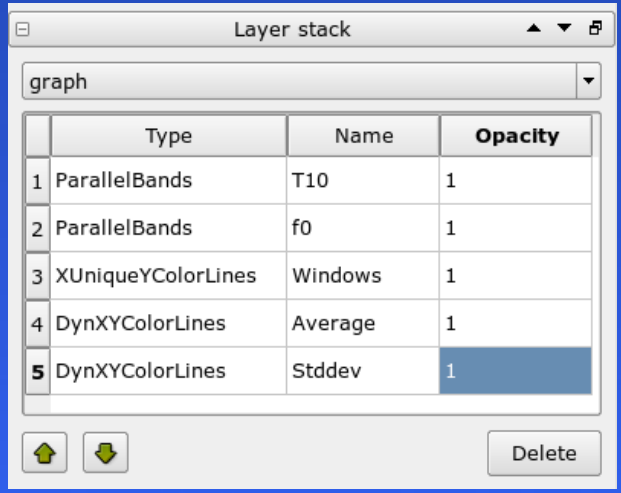


s of a 2D plot

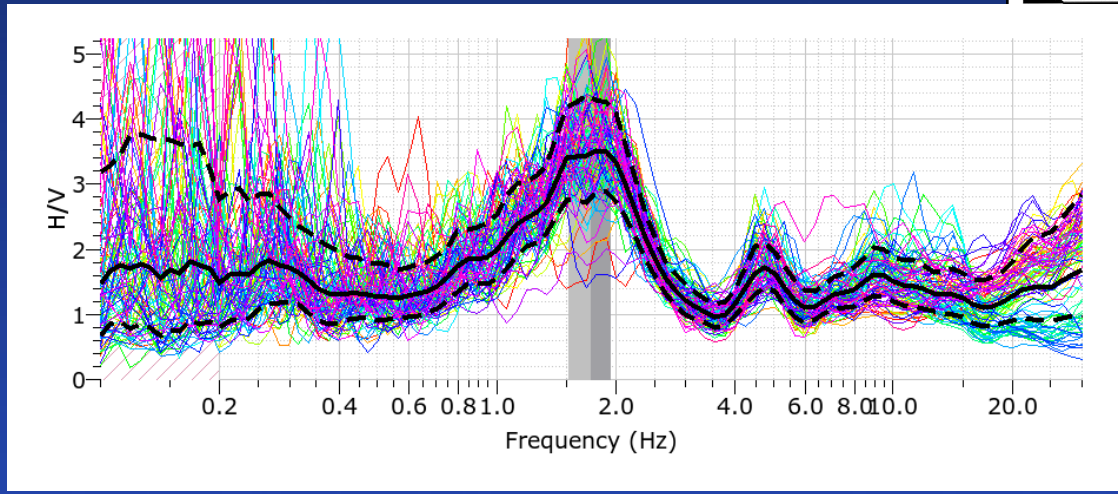


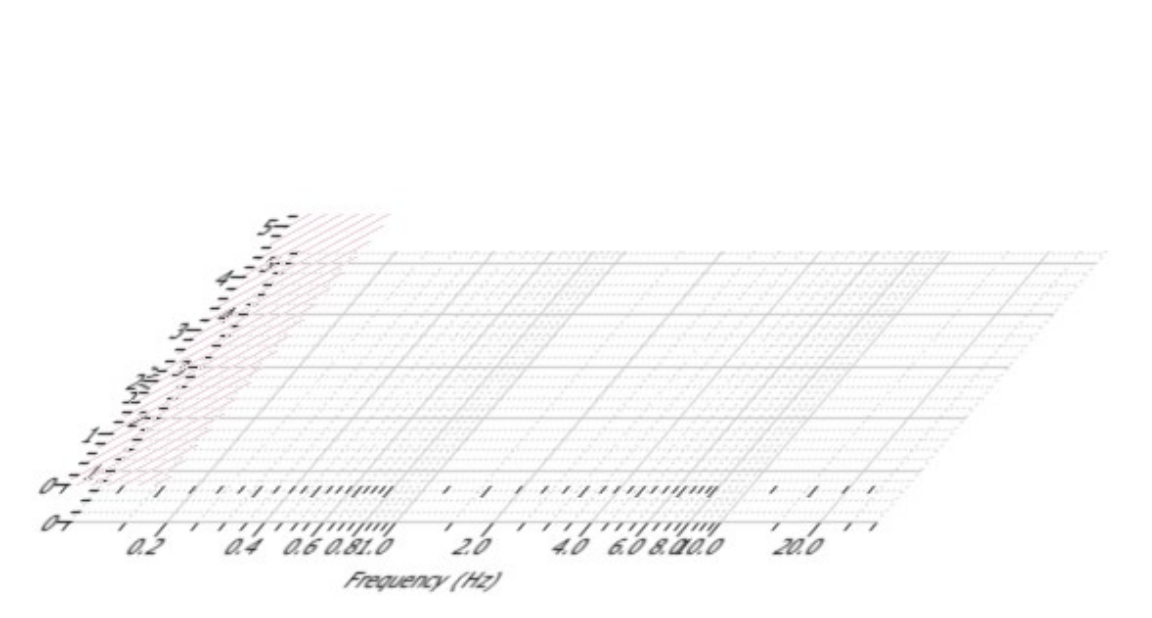


Background: grid lines



s of a 2D plot





Parallel bands

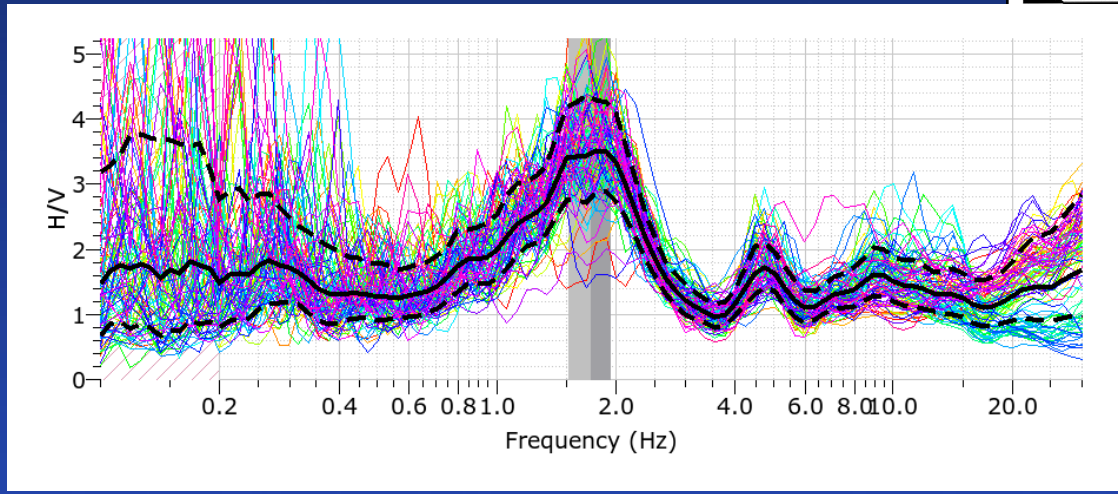
Layer stack

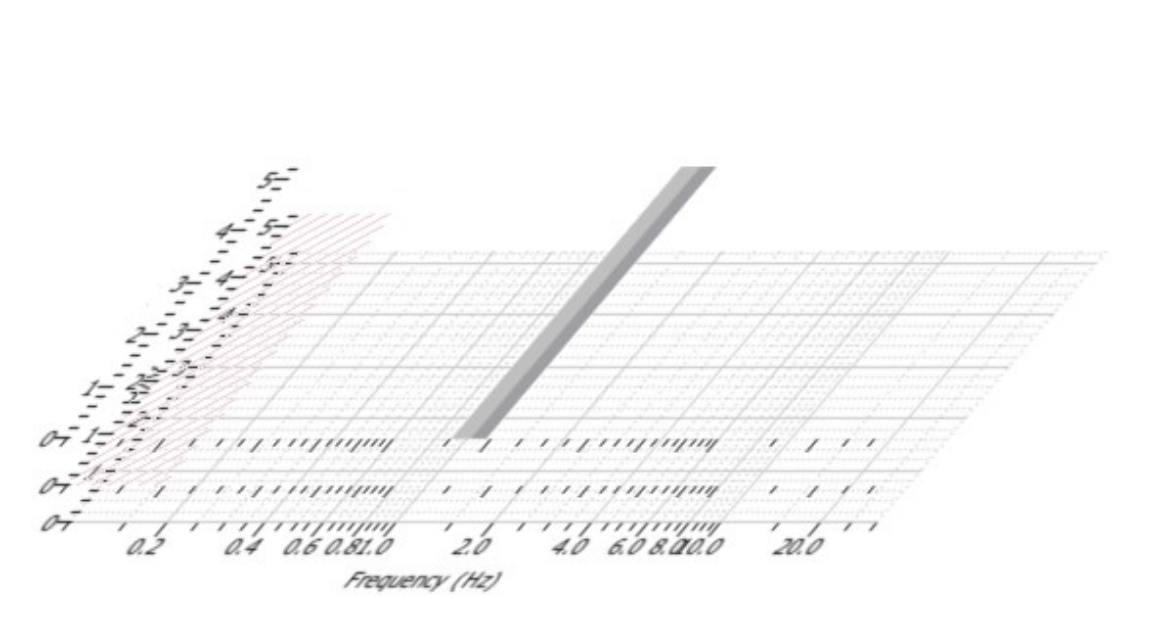
graph

	Type	Name	Opacity
1	ParallelBands	T10	1
2	ParallelBands	f0	1
3	XUniqueYColorLines	Windows	1
4	DynXYColorLines	Average	1
5	DynXYColorLines	Stddev	1

Delete

s of a 2D plot





Parallel bands

Layer stack

graph

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1	ParallelBands	T10	1
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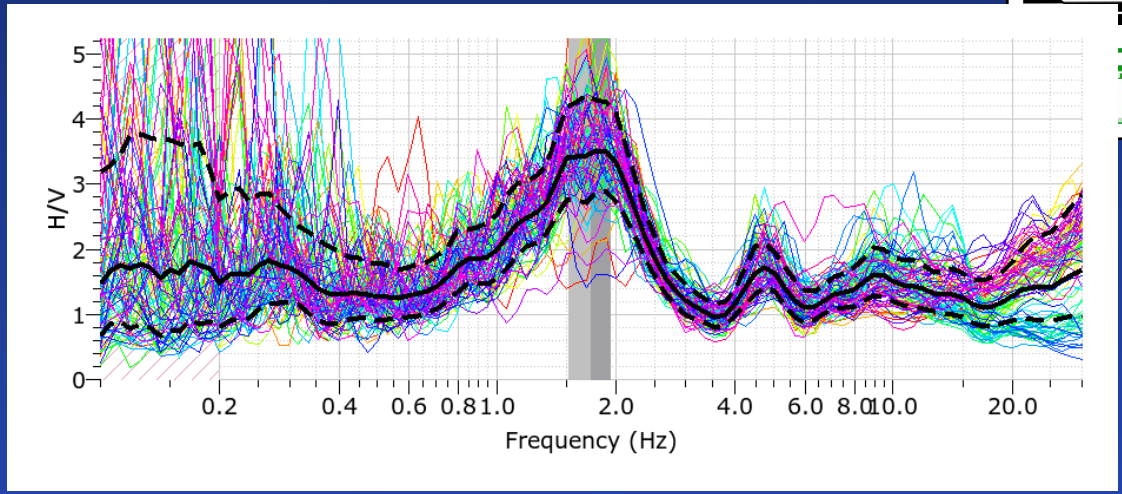
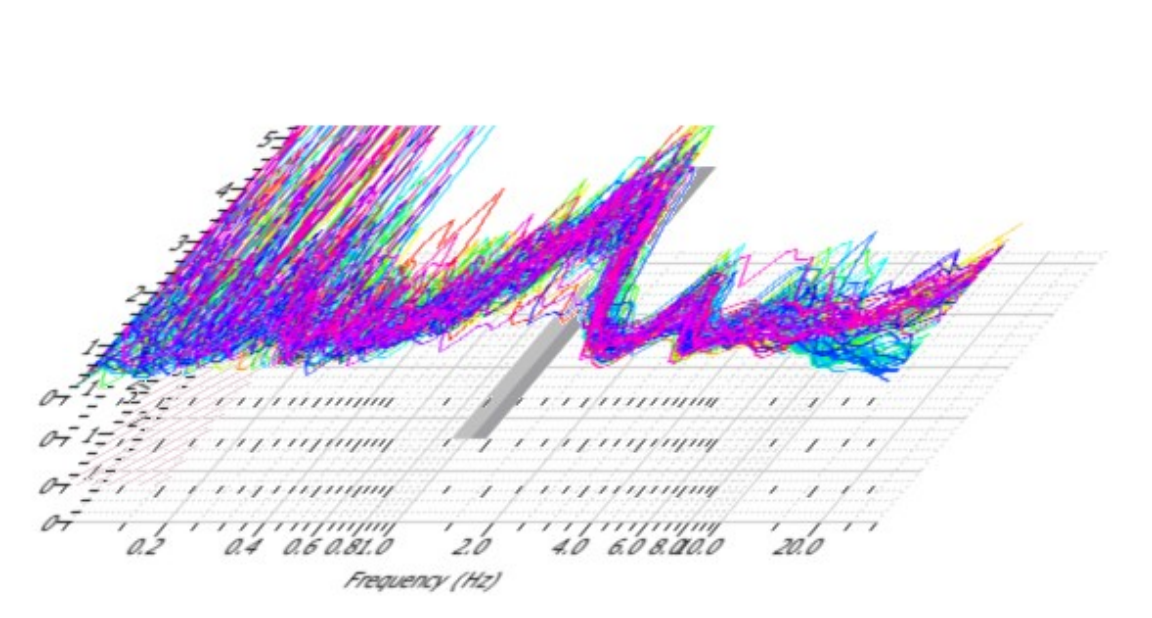
3	XUniqueYColorLines	Windows	1
4	DynXYColorLines	Average	1
5	DynXYColorLines	Stddev	1

Delete

s of a 2D plot





XY Color lines

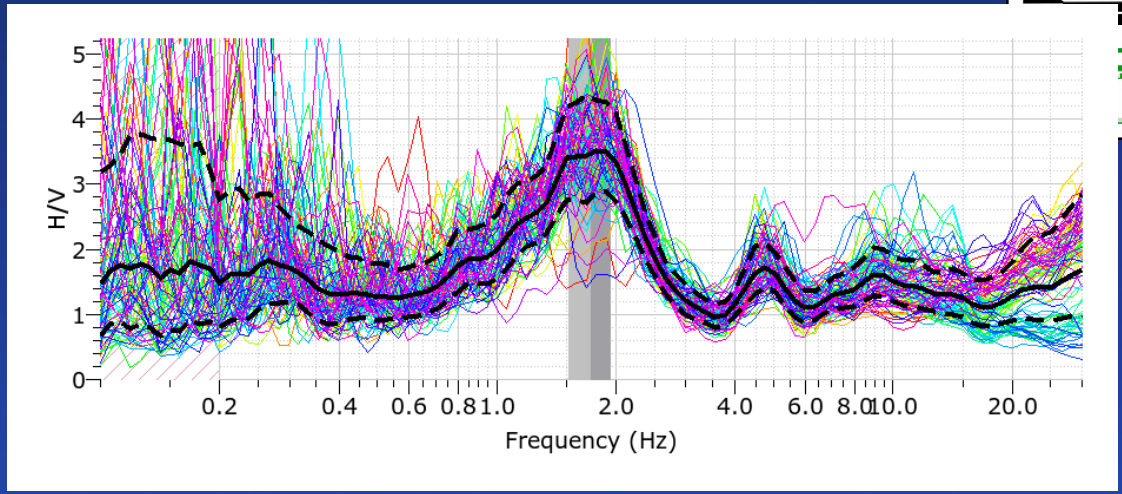
Layer stack

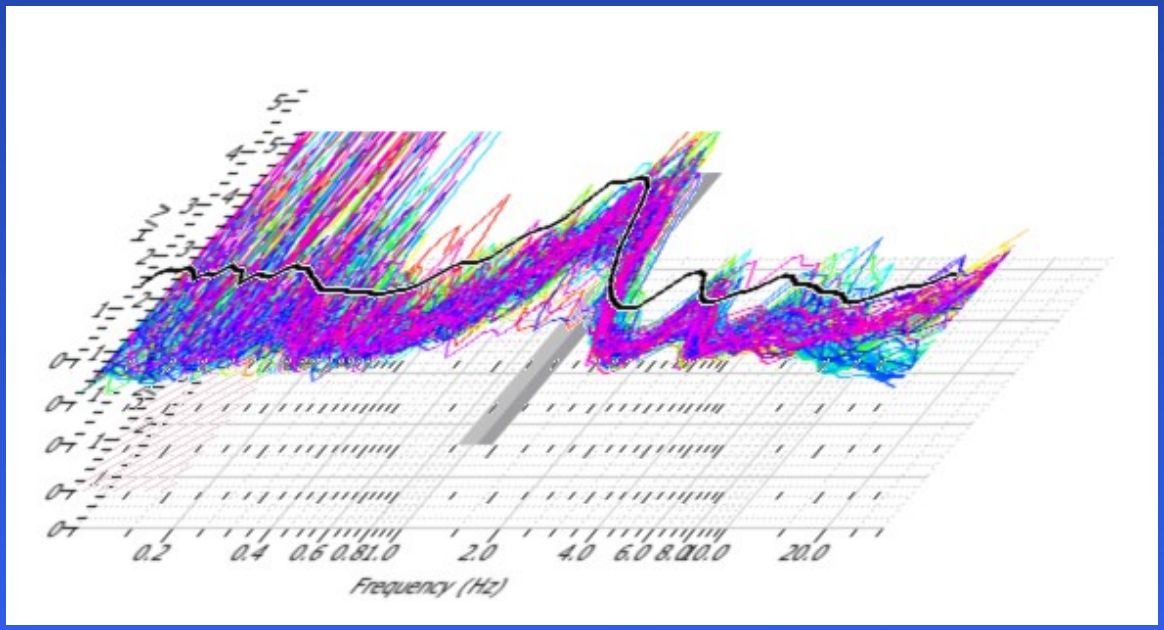
graph

	Type	Name	Opacity
1	ParallelBands	T10	1
2	ParallelBands	f0	1
3	XUniqueYColorLines	Windows	1
4	DynXYColorLines	Average	1
5	DynXYColorLines	Stddev	1

Delete

s of a 2D plot





Dynamic XY Color lines

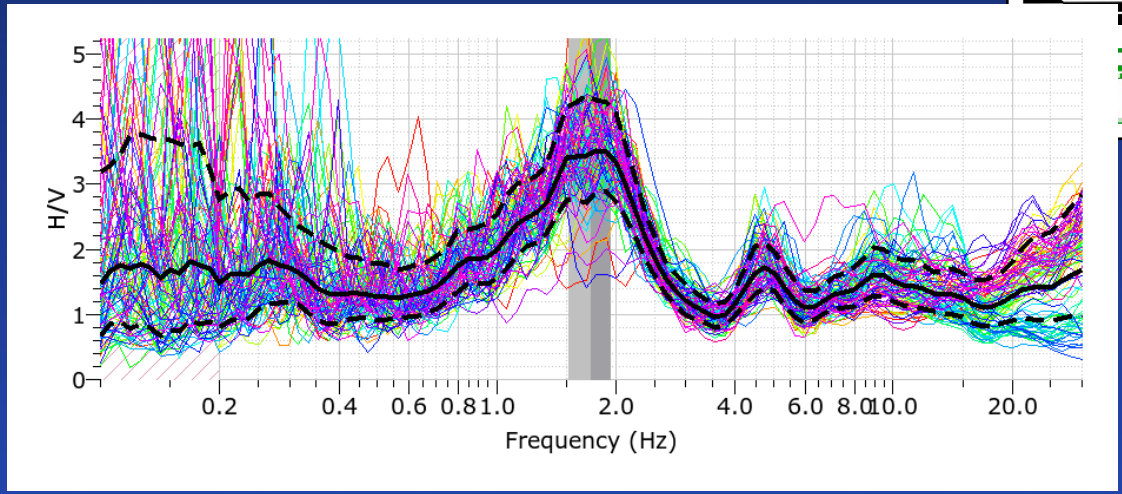
Layer stack

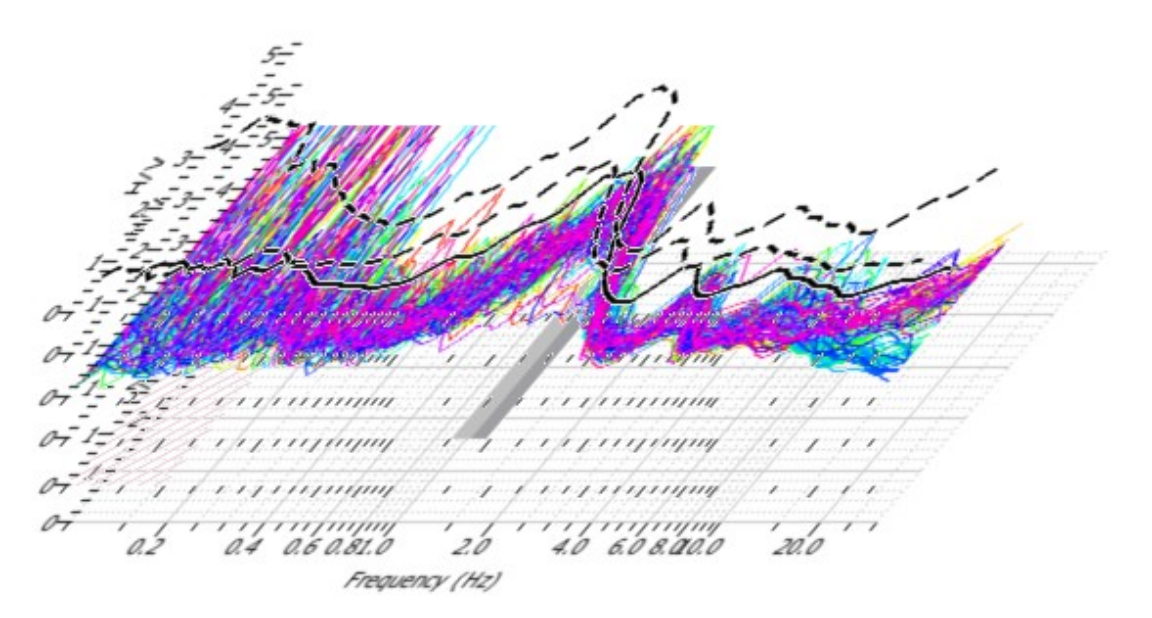
graph

	Type	Name	Opacity
1	ParallelBands	T10	1
2	ParallelBands	f0	1
3	XUniqueYColorLines	Windows	1
4	DynXYColorLines	Average	1
5	DynXYColorLines	Stddev	1

Delete

rs of a 2D plot





Dynamic XY Color lines

Layer stack

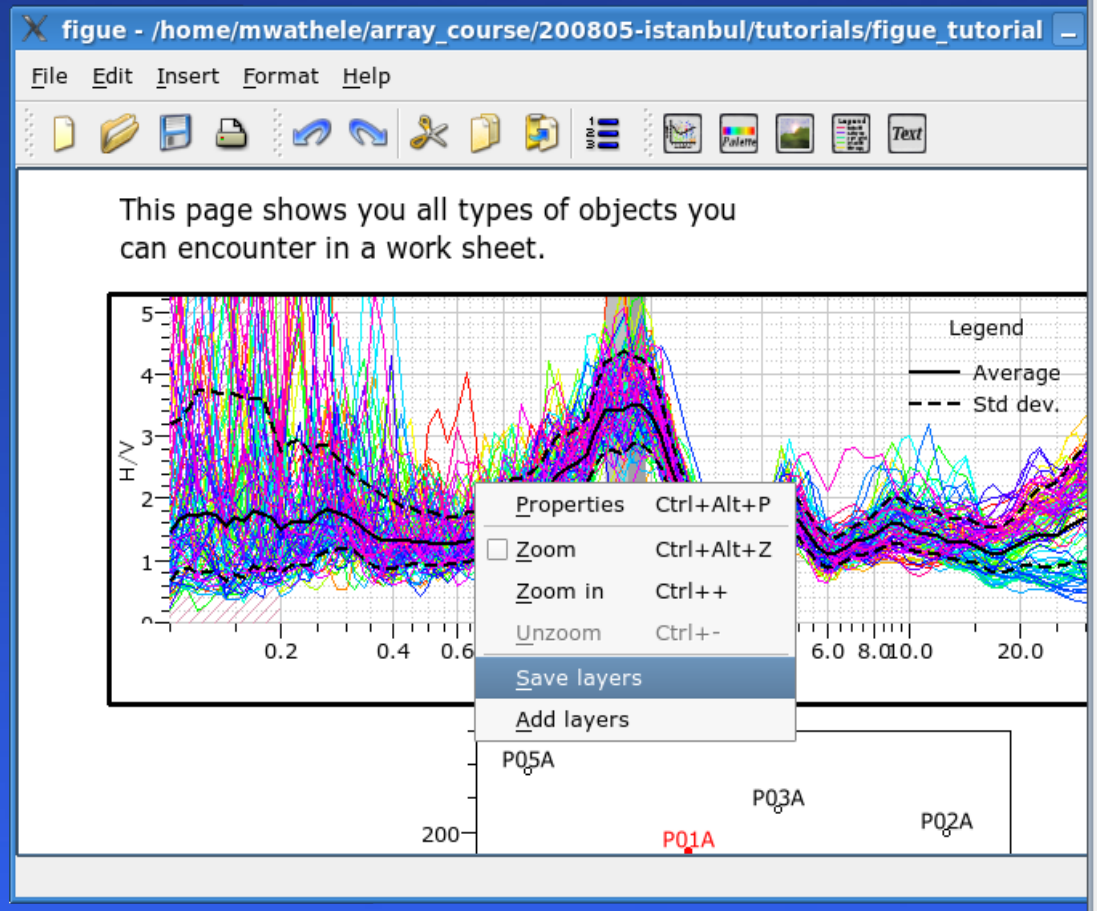
graph

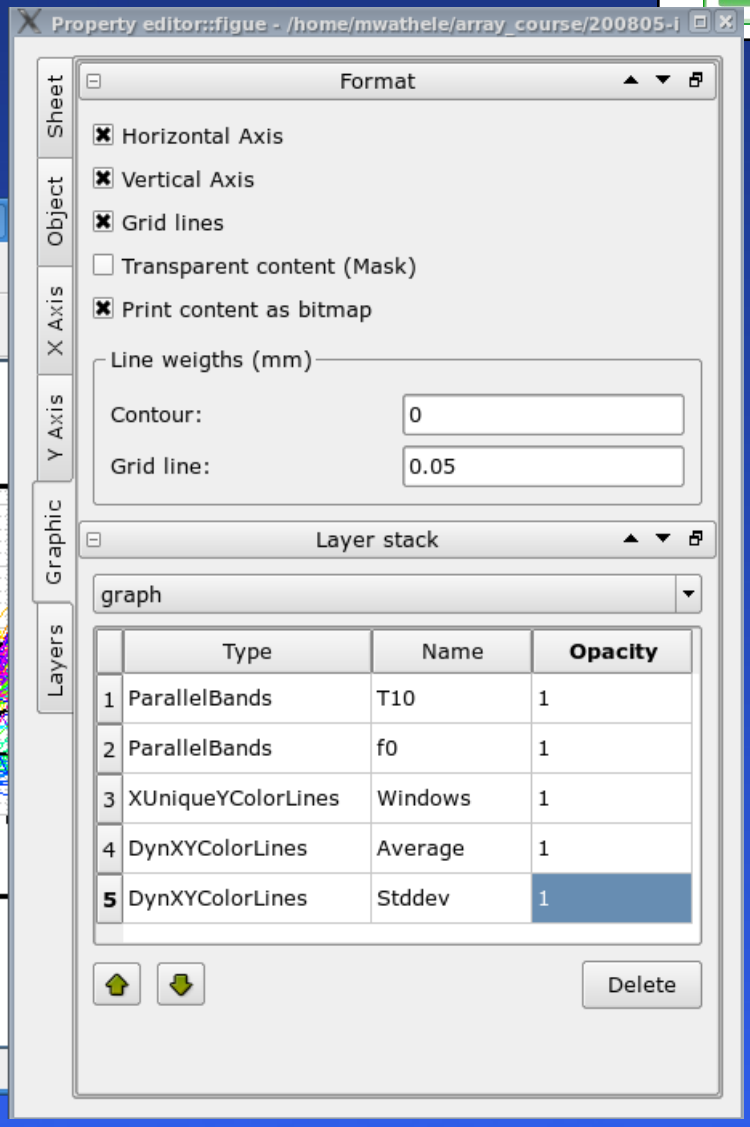
	Type	Name	Opacity
1	ParallelBands	T10	1
2	ParallelBands	f0	1
3	XUniqueYColorLines	Windows	1
4	DynXYColorLines	Average	1
5	DynXYColorLines	Stddev	1

Delete

Load, Re-order, Delete,... layers

Files: *.layer



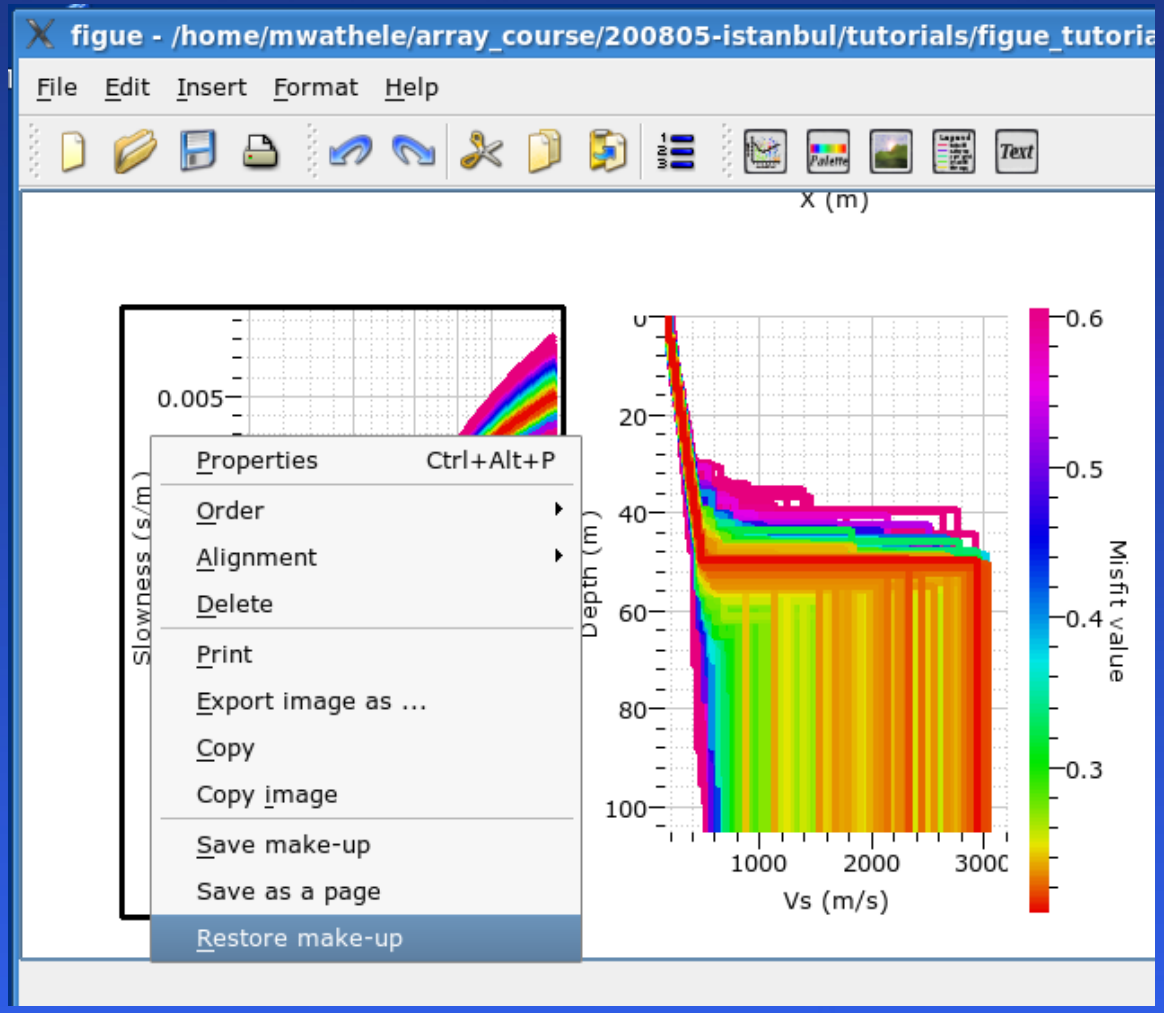


restore "makeups"

Files: *.mkup

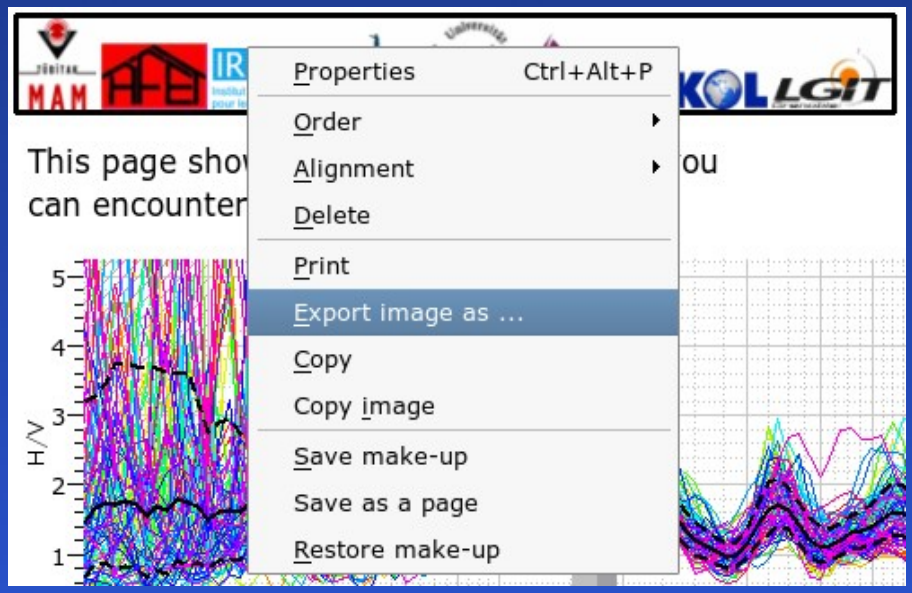
Load "object.mkup"

Be careful: difference between makeups for sheets (menu "Format") and for objects

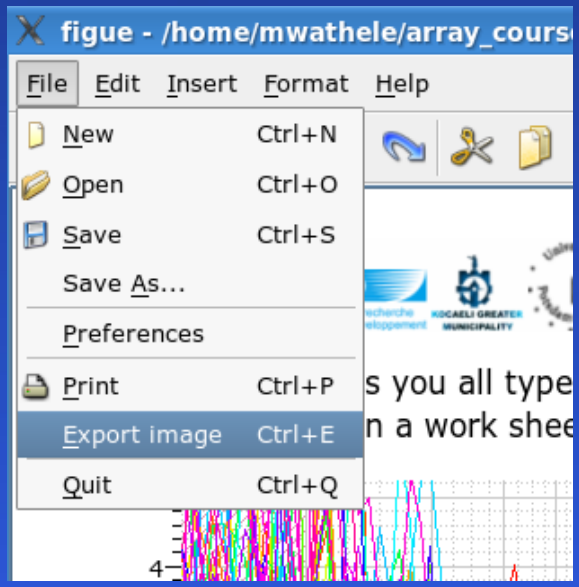


nages

Context menu from objects

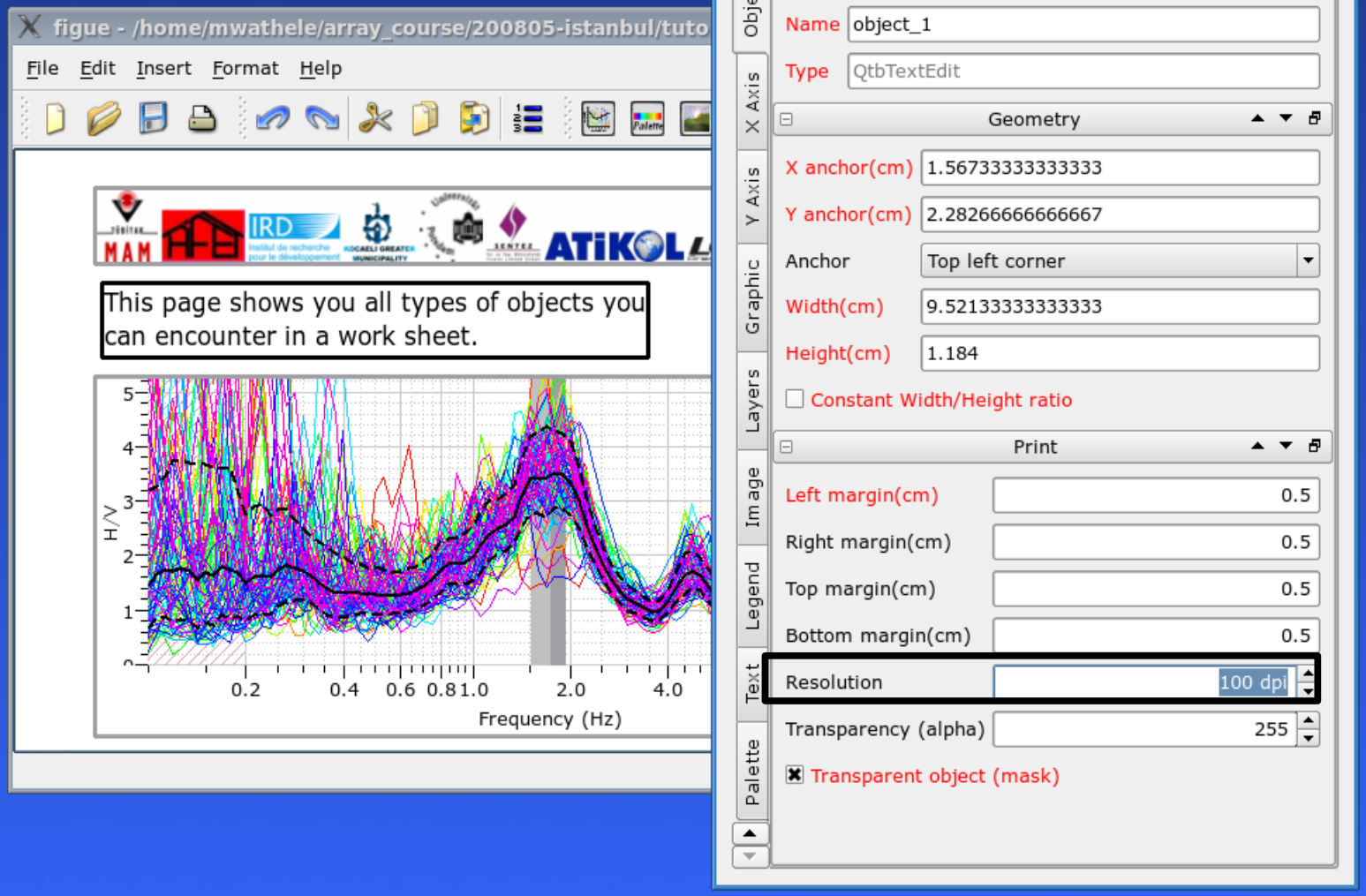


Create an image of the whole sheet



olling output resolution

"ctrl+a" to select all objects



olling image production from command line

```
figue figue_tutorial.page -e figue_tutorial.png -f PNG -dpi 50
```

Whole sheet into a PNG file with low resolution

```
figue figue_tutorial.page -e figue_tutorial.pdf -f PDF -dpi 300
```

High quality PDF

```
figue -h
Usage: figue [OPTIONS] [FILE]...
Customize your figures saved as .page and convert into usual
image format (see option --format). FILE(s) are .page files.
These files are tar.gz files containing an xml (contents.xml)
and eventually some other binary files.
[...]
```

For more information

as a quick plotter

```
cat curve.txt | figue -c -m dc.mkup
```

Plot a curve stored in a 2-column text file
with format saved in a "makeup" file (object kind)

Other types of plots: grids, dots, many curve,...
see option -h for more information.