

SFX

COLLABORATORS

	<i>TITLE :</i> SFX		
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REVISION HISTORY

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Chapter 1

SFX

1.1 Operators : Analysis-Spectrogram2D

Analysis-Spectrogram2D

Function : Produces a 2-dimensional display of the spectrum of frequencies in the sample.

Parameters: Mode normal every time axis is calculated
smooth1 every second time axis is calculated,
smoothing the inbetween data.
smooth2 every fourth time axis is calculated,
smoothing the inbetween data.

Palette gray the display uses a grey scale palette.
The brighter a pixel is the louder the
frequency at that point.

colour the display utilises a high contrast
colour palette

Size full use full hor. screen size
half use half hor. screen size
quarter use quarter hor. screen size

ARexx : Mode <Interpolationsmode> 0->normal/1->smooth1/2->smooth2

Palette <Palettetype> 0->gray/1->color

Size <Width> 0->full/1->half/2->quarter

Notes : When calculations are complete a new screen is opened on which the graph is drawn. Following keys are accepted :

"Space"/"ESC"/"Enter"/"Return" terminates the display

"P"/"p" plays the sample

"C"/"c" switches the palette

This operator uses Fourier-Transformation for its calculations.