

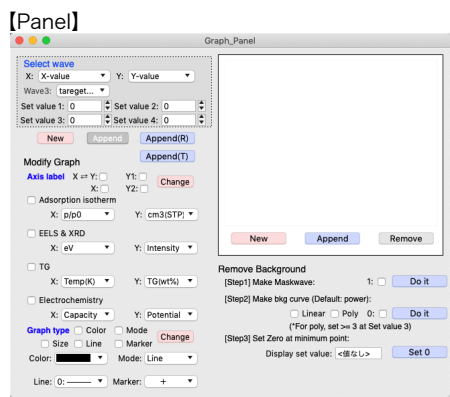
## Graph Panel - quick manual -

### File name (.ipf)

- 1) Graph\_panel: panel configuration
- 2) RemoveBKG: Background removal (power, linear, poly function)
- 3) SetAxisLabel: Setting axis label
- 4) SetGraphStyle: Setting graph style

### Installation

- 1) Open and compile all files in Igor

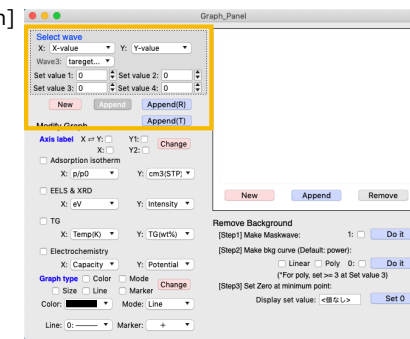


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## Create graph

### Create Graph

- 1) Create new graph [**New** button]  
select wave (X: & Y: )
- 2) Append to graph [**Append** button]  
select wave (X: & Y: )
- 3) Append to graph (Y-axis: right) [**Append (R)** button]  
select wave (X: & Y: )
- 4) Append to Table [**Append (T)** button]  
select wave (X: & Y: )



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## Modify graph

### Axis label

- 1) Check box

#### [Axis label]

$x \rightleftharpoons y$ : pop-up menu (x: ) is used to set the **y-axis**.

pop-up menu (y: ) is used to set the **x-axis**.

x: set x-axis, y1: set y-axis (left), y2: set y-axis (right)

#### [Experimental area]

Select area to set axis

### Graph type

- 1) Select wave to change graph type

select wave (X: & Y: )

- 2) Check

size: set "Set Value 1: " line thickness

"Set Value 2: " Marker thickness

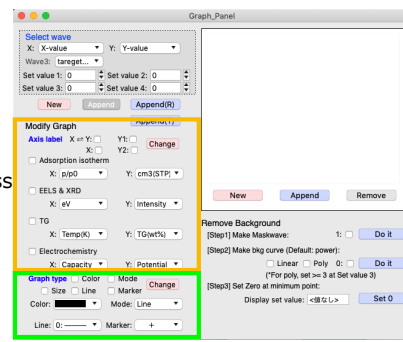
"Set Value 3: " Marker size

Color: set pop-up menu "color"

Line: set pop-up menu "line"

Mode: set pup-up menu "Mode"

Marker: set pup-up menu "Marker"

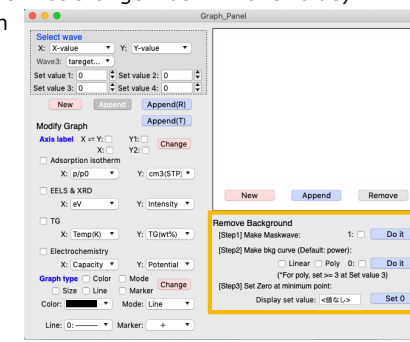


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## Background

### Remove background

- 1) Step1: Make Mask wave (wave name: MaskW)  
Select wave (Y: ) to make mask wave with same points  
if set 1 (active): check "1: check box"  
set 0 (inactive): without check "1: check box"
- 2) Step2: Make fitting and residual wave (wave name: fit\_, r\_)  
if set 0 for mask wave at step 1  
Set value 1 & 2: active X range (if 0: not change maskW wave value)  
Set value 3: value for poly function  
if set 1 for mask wave at step 1  
Check box 0: check  
Set value 1 & 2: inactive X range  
Fitting curve  
without check: power function  
linear: linear function  
poly: polynomial function  
(set value 3 (Degree): > 3)
- 3) Step 3: Zero set based on minimum point



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## Sub display

### Sub display in the graph panel

Quick check of graph

1) Select wave

New: Display new graph

Append: Append select wave to graph

Remove: Erase graph on the sub display

2) Fitting curve is automatically shown here

