



 AHELP for CIAO 3.4

set_paramset

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Synopsis

Module functions to thaw or freeze the specified parameter(s).

Syntax

```
Integer_Type set_thawed([String_Type])
Integer_Type set_frozen([String_Type])

Success/Error Return Values: 1/0

Arguments:

(1) Model name, or model parameter name (default all model parameters)
```

Description

If:

- no argument is provided, these functions will thaw or freeze all model parameters;
- a model component name is provided, these functions will thaw or freeze all parameters of that model;
and
- if a model parameter name is provided, these functions will thaw or freeze that parameter.

See the related Sherpa commands THAW and FREEZE for more information.

Example

Freeze all parameters of a specified Gaussian model, then thaw the position parameter:

```
sherpa> PARAMPROMPT OFF
sherpa> GAUSS[g]
sherpa> set_frozen("g")
```

```

1
sherpa> set_thawed("g.pos")
1
sherpa> SHOW g
gauss1d[g] (integrate: on)
  Param  Type      Value      Min      Max      Units
  -----
  1  fwhm  frozen      10  1.1755e-38  3.4028e+38
  2   pos  thawed       0 -3.403e+38  3.4028e+38
  3  ampl  frozen       1 -3.403e+38  3.4028e+38
    
```

Bugs

See the [Sherpa bug pages](#) online for an up-to-date listing of known bugs.

See Also

sherpa

[autoest](#), [background](#), [create](#), [create_model](#), [createparamset](#), [fit](#), [freeze](#), [get_defined_models](#), [get_model_params](#), [get_models](#), [get_num_par](#), [get_par](#), [get_stackexpr](#), [getx](#), [gety](#), [guess](#), [instrument](#), [integrate](#), [is_paramset](#), [jointmode](#), [kernel](#), [lineid](#), [linkparam](#), [mdl](#), [modelexp](#), [modelstack](#), [nestedmodel](#), [noise](#), [paramprompt](#), [paramset](#), [pileup](#), [rename](#), [run_fit](#), [set_par](#), [set_stackexpr](#), [source](#), [thaw](#), [truncate](#), [unlink](#)

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URL:
http://cxc.harvard.edu/ciao3.4/set_paramset.html
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