



AHELP for CIAO 3.4

get_num_par

Context: [sherpa](#)

Jump to: [Description](#) [Example](#) [Bugs](#) [See Also](#)

Synopsis

Module functions that report the total number of parameters for all defined models, including instrument models

Syntax

```
Integer_Type get_num_par()
Integer_Type get_num_par_frozen()
Integer_Type get_num_par_thawed()

Error Return Values: NULL
```

Description

See the related Sherpa command SHOW.

Example

Set up two models; determine the number of parameters:

```
sherpa> SOURCE = POW[p] + GAUSS[g]
sherpa> get_num_par
6
sherpa> get_num_par_thawed
5
sherpa> get_num_par_frozen
1
```

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_par](#), [get_stackexpr](#), [getx](#), [gety](#), [guess](#), [instrument](#), [integrate](#), [is_paramset](#), [jointmode](#), [kernel](#), [lineid](#), [linkparam](#), [mdl](#), [modelexpr](#), [modelstack](#), [nestedmodel](#), [noise](#),

Ahelp: get_num_par – CIAO 3.4

[paramprompt](#), [paramset](#), [pileup](#), [rename](#), [run_fit](#), [set_par](#), [set_paramset](#), [set_stackexpr](#), [source](#), [thaw](#),
[truncate](#), [unlink](#)

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