



AHELP for CIAO 3.4

get_num_par

Context: [sherpa](#)

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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](#), [modeexpr](#), [modelstack](#), [nestedmodel](#), [noise](#),
[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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