URL: http://cxc.harvard.edu/ciao3.4/array_info.tm.html
Last modified: December 2006

AHELP for CIAO 3.4

array_info

Context: slangrtl

Jump to: Description Example See Also

Synopsis

Returns information about an array

Syntax

```
(Array_Type, Integer_Type, DataType_Type) array_info (Array_Type a)
```

Description

The array_info function returns information about the array a. It returns three values: an 1−d integer array specifying the size of each dimension of a, the number of dimensions of a, and the data type of a.

Example

The array_info function may be used to find the number of rows of an array:

```
define num_rows (a)
{
   variable dims, num_dims, data_type;

   (dims, num_dims, data_type) = array_info (a);
   return dims [0];
}
```

For 1−d arrays, this information is more easily obtained from the length function.

See Also

slangrtl

__class_id, __class_type, __eqs, __get_reference, __is_initialized, __pop_args, __push_args, _nargs, _reshape, _typeof, array_map, assoc_get_keys, bstrlen, dup, get_struct_field, is_defined, is_struct_type, length, listdir, max, min, reshape, set_struct_field, strlen, sum, transpose, typecast, typeof, where

The Chandra X−Ray Center (CXC) is operated for NASA by the Smithsonian Astrophysical Observatory.
60 Garden Street, Cambridge, MA 02138 USA.
Smithsonian Institution, Copyright © 1998−2006. All rights reserved.

URL: http://cxc.harvard.edu/ciao3.4/array_info.tm.html
Last modified: December 2006