

NAME

astore – Single-precision store x

SYNOPSIS

Fortran (77, 90, 95, HPF):

```
f77 [ flags ] file(s) ... -L/usr/local/lib -lgjl
```

```
    SUBROUTINE astore(x)
```

```
    REAL          x
```

```
    END
```

C (K&R, 89, 99), C++ (98):

```
cc [ flags ] -I/usr/local/include file(s) ... -L/usr/local/lib -lgjl
```

Use

```
    #include <gampsi.h>
```

to get this prototype:

```
    void astore(const fortran_real * x_);
```

NB: The definition of C/C++ data types **fortran_**xxx, and the mapping of Fortran external names to C/C++ external names, is handled by the C/C++ header file. That way, the same function or subroutine name can be used in C, C++, and Fortran code, independent of compiler conventions for mangling of external names in these programming languages.

Last code modification: 10-Jun-2000

DESCRIPTION

Store **x**, to force a variable into memory.

This action is necessary on some architectures to force an expression to be converted to storage precision, when it might otherwise be held in a machine register at higher internal precision.

SEE ALSO

astorf(3), **dstore(3)**, **dstorf(3)**, **qstore(3)**, **qstorf(3)**.

AUTHORS

The algorithms and code are described in detail in the paper

Algorithm xxx: Quadruple-Precision Gamma(x) and psi(x) Functions for Real Arguments

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