

NAME

readTagged – read tagged values from a text file

SYNOPSIS

```
#include <readTagged.h>
```

```
double readTagged(string path, char* tag, double default);  
float readTagged(string path, char* tag, float default);  
int readTagged(string path, char* tag, int default);
```

DESCRIPTION

This routine reads a tagged value from the file whose name is *path*. A tagged value is a numeric value that is preceded by a *tag* and a separator. The parameter *tag* is a text string and valid separators are a colon, an equal sign, or a hyphen. If the desired tag is not found then the value specified in *default* is returned.

Typically the input file contains tag–value pairs, each on a separate line. Comments are allowed and begin with a hash character (#) and continue to the end of the line. Any amount of horizontal white space (tabs and spaces) is allowed between the tag and separator and the separator and the value.

RETURN VALUE

If the specified tag is located then the corresponding value is returned. The C++ iostream routines are used to read values from the file and are responsible for all type–conversion. If the specified tag is not found then the default value is returned. This can either be interpreted as a default value or, if it is any value that is not expected or allowed, it can be used to signal an error.

AUTHOR

The functions described in this manual page were written by Nathan Walker and revised and renamed by Jonathan Senning, who also wrote the manual page. Copyright © 2007-2008 Jonathan R. Senning, Department of Mathematics and Computer Science, Gordon College, 255 Grapevine Road, Wenham MA, 01984.