airyB

airyB(*x* [, *accuracy*])

The airyB function returns the value of the Airy $Bi(x)$ function:

$$Bi(x) = \sqrt{\frac{x}{3}}\left[I_{-1/3}\left(\frac{2}{3}x^{3/2}\right) + I_{1/3}\left(\frac{2}{3}x^{3/2}\right)\right],$$

where I is the modified Bessel function.

Details

See the **bessI** function for details on accuracy and speed of execution.

See Also

The **airyBD** and **airyA** functions.

References

Abramowitz, M., and I.A. Stegun, *Handbook of Mathematical Functions*, 446 pp., Dover, New York, 1972.

airyBD

airyBD(*x* [, *accuracy*])

The airyBD function returns the value of the derivative $Bi'(x)$ of the Airy function.

Details

See the **bessI** function for details on accuracy and speed of execution.

See Also

The **airyB** function.

alog

alog(*num*)

The alog function returns 10^{num}.

AnnotationInfo

AnnotationInfo(*winNameStr*, *annotationNameStr* [, *options*])

The AnnotationInfo function returns a string containing a semicolon-separated list of information about the named annotation in the named graph or page layout window or subwindow.

The main purpose of AnnotationInfo is to use a tag or textbox as an input mechanism to a procedure. This is illustrated in the "Tags as Markers Demo" sample experiment, which includes handy utility functions (supplied by AnnotationInfo Procs.ipf).

Parameters

winNameStr can be "" to refer to the top graph or layout window or subwindow.

When identifying a subwindow with *winNameStr*, see **Subwindow Syntax** on page III-92 for details on forming the window hierarchy.

options is an optional parameter that controls the text formatting in the annotation output. The default value is 0.

Omit *options* or use 0 for *options* to escape the returned annotation text, which is appropriate for printing the output to the history or for using the text in an Execute operation.

Use 1 for *options* to not escape the returned annotation text because you intend to extract the text for use in a subsequent command such as Textbox or Tag.

Details

The string contains thirteen pieces of information. The first twelve pieces are prefaced by a keyword and colon and terminated with a semicolon. The last piece is the annotation text, which is prefaced with a keyword and a colon but is not terminated with a semicolon.