fresnelCos

fresnelCos(*x*)

The fresnelCos function returns the Fresnel cosine function $C(x)$.

$$C(x) = \int_0^x \cos\left(\frac{\pi}{2}t^2\right)dt.$$

See Also

The **fresnelSin** and **fresnelCS** functions.

References

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

fresnelCS

fresnelCS(*x*)

The fresnelCS function returns both the Fresnel cosine in the real part of the result and the Fresnel sine in the imaginary part of the result.

See Also

The **fresnelSin** and **fresnelCos** functions.

fresnelSin

fresnelSin(*x*)

The fresnelSin function returns the Fresnel sine function $S(x)$.

$$S(x) = \int_0^x \sin\left(\frac{\pi}{2}t^2\right)dt.$$

See Also

The **fresnelCos** and **fresnelCS** functions.

References

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

FSetPos

FSetPos *refNum*, *filePos*

The FSetPos operation attempts to set the current file position to the given position.

Parameters

refNum is a file reference number obtained from the **Open** operation when the file was opened.

filePos is the desired position of the file in bytes from the start of the file.

Details

FSetPos generates an error if *filePos* is greater than the number of bytes in the file. You can ascertain this limit with the **FStatus** operation.

When a file that is open for writing is closed, any bytes past the end of the current file position are deleted by the operating system. Therefore, if you use FSetPos, make sure to set the current file position properly before closing the file.

FSetPos supports files of any length.

See Also

Open, **FGetPos**, **FStatus**