

## EndMacro

### **EndMacro**

The EndMacro keyword marks the end of a macro. You can also use End to end a macro.

### **See Also**

The **Macro** and **Window** keywords.

## EndStructure

### **EndStructure**

The EndStructure keyword marks the end of a Structure definition.

### **See Also**

The **Structure** keyword.

## endtry

### **endtry**

The endtry flow control keyword marks the end of a try-catch-endtry flow control construct.

### **See Also**

The **try-catch-endtry** flow control statement for details.

## enoise

### **enoise (num [, RNG])**

The enoise function returns a random value drawn from a uniform distribution having a range of [-*num*, *num*].

enoise returns a complex result if *num* is complex or if it is used in a complex expression. See **Use of enoise With Complex Numbers** on page V-196.

The random number generator is initialized using a seed derived from the system clock when you start Igor. This almost guarantees that you will never get the same sequence twice. If you want repeatable “random” numbers, use **SetRandomSeed**.

The optional parameter *RNG* selects one of three pseudo-random number generators.

If you omit the *RNG* parameter, enoise uses RNG number 3, named "Xoshiro256\*\*". This random number generator was added in Igor Pro 9.00 and is recommended for all new code. In earlier versions of Igor, the default was 1 (Linear Congruential Generator).