



AHELP for CIAO 3.4

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Synopsis

Get elapsed CPU time

Syntax

```
Double_Type toc ()
```

Description

The toc function returns the elapsed CPU time in seconds since the last call to tic. The CPU time is the amount of time the CPU spent running the code of the current process.

Example

The tic and toc functions are ideal for timing the execution of the interpreter:

```
variable a = "hello", b = "world", c, n = 100000, t;

tic (); loop (n) c = a + b; t = toc ();
vmessage ("a+b took %f seconds\n", t);
tic (); loop (n) c = strcat(a,b); t = toc ();
vmessage ("strcat took %f seconds\n", t);
```

This function may not be available on all systems.

The implementation of this function is based upon the times system call. The precision of the clock is system dependent.

See Also

slangrtl
[time](#), [ctime](#), [gmtime](#), [localtime](#), [tic](#), [times](#)

Ahelp: toc – CIAO 3.4

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<http://cxc.harvard.edu/ciao3.4/toc.tm.html>
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