
Subject: Re: running program at different speeds
Posted by [dolik.rce](#) on Wed, 08 Aug 2012 11:55:47 GMT
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On POSIX platforms Sleep() is implemented using nanosleep function. If you look in manual for this function it says this:

man nanosleepThe suspension time may be longer than requested because the argument value is rounded up to an integer multiple of the sleep resolution or because of the scheduling of other activity by the system.

Very similar conditions hold AFAIK for the windows implementation.

In addition (at least on POSIX) it is possible that Sleep returns earlier then it is supposed, if it is interrupted by a signal from outside.

If you need to get more precise speed adjustments, you might want to try longer Sleep() less often (e.g. every n-th iteration of the loop).

Honza
