Subject: Re: TimerCallBack interval resolution
Posted by mirek on Sat, 22 Jan 2022 18:32:02 GMT
View Forum Message <> Reply to Message

deep wrote on Fri, 21 January 2022 07:39Hi Didier,

My issue is not about time profiling.

I am looking at time interval and repeatability of time interval.

When I set TimerCallback time value between -22 to -39 ms. I get interval of 40 ms.
Depending on value of time I set I get time interval in multiple of 20 ms.

If I want 30 ms. time interval for timercallback I am not getting it. I get greater time interval - multiple time interval of 20 ms.

Interval repeatability is 1ms. which is okay for me.

It is supposed to be about 20ms by design and it is not even guaranteed. If you need more precise timing, you need to run it in separate thread.

More details: GUI timer is run each time after the set of GUI events is processed and queue becomes empty. Those 20ms actually apply for the case that there are no events - if there are no event for 20 ms, timer is invoked. That also means if the GUI event (e.g. keystroke) takes more than 20ms to process, the interval can be actually much bigger than 20ms.