
Subject: Re: Register a callback on "when window resized" ?

Posted by [xrysf03](#) on Mon, 25 Nov 2019 21:14:18 GMT

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Oh, excellent, it appears to work :)

Well kind of.

It works if I just resize the window in "normal size" mode.

For some reason, it doesn't work when I maximize the window. Actually it does seem to re-calculate the density of the MajorUnit grid for the maximized size, but the denser grid only gets applied after I "un-maximize" the window again - at which point the grid is already too dense :) So it kind of "lags one step behind". Even if I finish it off by `Ctrl::ProcessEvents()` .

I have noticed that the `TopWindow` indeed has the `Layout()` method, and of course my main window inherits from that class (or some template around it), so I just added the overridden method to my existing class. (I did not need to inherit from `ScatterCtrl` and swap my own class into the visual layout.) A snippet of my example code follows:

```
class my_main_window : public Withmy_main_windowLayout<TopWindow> {
```

```
    [...misc stuff...]
```

```
    //Event<> WhenLayout; // not even necessary
```

```
    void Layout() override
```

```
    {
```

```
        // first and foremost, do whatever you need to
```

```
        // with all the widgets (resize etc)
```

```
        Withmy_main_windowLayout<TopWindow>::Layout();
```

```
        // and then finally, mess with the ScatterCtrl
```

```
        set_chart_grid();
```

```
        Chart1.Refresh(); // doesn't make a difference
```

```
        Ctrl::ProcessEvents(); // doesn't make a difference
```

```
        //PromptOK("hello there"); // DOES make a difference?
```

```
    }
```

```
}
```

The "misbehavior" upon maximize is fairly consistent. I've tried adding a `Chart1.Refresh()` and/or `Ctrl::ProcessEvents()`, tried swapping the order of `set_chart_grid()` and the call to the upstream version of the `Layout()` method, I've also tried without calling the upstream version, to no avail. The only moment when the `ScatterCtrl` did reflect the desired changes "upon main window maximize", was when I also inserted some `PromptOK("hello there")` at the end of my overridden version of `Layout()`.

It's curious, but I don't mind if that's just the way it is - as soon as I run my method that fetches

some data from the back-end and displays them (which gets started by clicking a GUI button), the grid with appropriate spacing gets displayed in the ScatterCtrl Chart1.
