Subject: Re: ScrollBarSize() - Is it (possibly) a bug?
Posted by mirek on Sat, 17 Dec 2022 13:15:23 GMT
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Lance wrote on Tue, 27 September 2022 01:35I was looking for some member function in ScrollBar to retieve the scrollbar size, or expose the const Style *style
which can in turn access the barsize value, but to no avail. Until I find this function

inline int ScrollBarSize()		{ return ScrollBar::StyleDefault().barsize; }//!!

A search in the Upp src indicates many libraries make use of this function, including in HeaderCtrl

```
void HeaderCtrl::FrameLayout(Rect& r)
{
 LayoutFrameTop(r, this, invisible ? 0 : GetHeight());
 LayoutFrameBottom(r, &sb, sb.IsShown() ? ScrollBarSize() : 0);
}

void HeaderCtrl::FrameAddSize(Size& sz)
{
 if(!invisible)
  sz.cy += GetHeight();
 if(sb.IsVisible())
  sz.cy += ScrollBarSize();
}
```

Does this imply that a customized ScrollBar Style shall not disagree on barsize with the default ScrollBar Style? Is this restriction necessary? or shall we expose int ScrollBar::ScrollBarSize()const(elevate it to a public member function from a private one as it is now)?

What a nice grey corner have you sumpled upon...

Well, I would say, for now it means that if you use ScrollBar::SetStyle, you cannot expect your styled ScollBar be well integrated is some other widgets unless scrollbarsize is the same...

In practice, in over 15 years I do not remember single instance of custom Scrollbar style, so while this should be fixed, it is really low priority.