
Subject: how get font height
Posted by [bonami](#) on Wed, 24 Jun 2009 10:04:57 GMT
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i have a RichTextCtrl, i want it to be the height of the text on it.
RichTextCtrl rt;

```
...
String str = "[3A^test^ Graphical introduction]";
rt = str;
typedef const unsigned short screen_size_t;
screen_size_t linkSpace = 10;
screen_size_t linkSize = Arial(20).Info().GetLineHeight();
Add(rt.LeftPos(linkSpace, GetSize().cx - 2 * linkSpace).TopPos(linkSpace, linkSize));
```

the above code's rt fits. but i wonder how Arial(20) is related to "[3A", whose text should be of 100 dots/12 points. manual cites "points" everywhere, while it seems to mean differently.

Subject: Re: how get font height
Posted by [mirek](#) on Wed, 24 Jun 2009 10:49:03 GMT
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bonami wrote on Wed, 24 June 2009 06:04i have a RichTextCtrl, i want it to be the height of the text on it.
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"Points"? I hope it states "dots"

1 dot is defined as pixel of 600dpi printer. This is used "real-world" measure when printing on printer. There is of course relation between dots and points, as point is defined as 1/72 inch, therefore $pt = 72 * dot / 600$.

Anyway, to display on screen, you need to scale down. In practice, the most convenient is to base the scale on actual default font size (otherwise the text size looks odd).

See GetRichTextStdScreenZoom which defines normal RichText->screen zooming. This is then used as default for RichTextView.

Mirek

Subject: Re: how get font height
Posted by [mirek](#) on Wed, 24 Jun 2009 10:50:01 GMT
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P.S.: You might want to consider using

```
RichTextView::  
int          GetWidth() const  
int          GetHeight(int cx) const
```

instead...

Subject: Re: how get font height
Posted by [bonami](#) on Thu, 25 Jun 2009 07:55:44 GMT
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i'm afraid i'm still totally confused.
though you answered the relationship between screen and print, points and dots, you still did not mention why Arial(20) makes it fit, and what unit this 20 is in.
I tried `RichTextView a; a.SetQTF(str); ...linkSize=a.GetHeight(123/* this value seems to affect nothing*/) //now this value is over 800!while former Arial(20) line gave me 24.`
Don't know how to use `GetRichTextStdScreenZoom` otherwise. I tested `1000/GetRichTextStdScreenZoom()` and got over 5300.

Subject: Re: how get font height
Posted by [mirek](#) on Fri, 26 Jun 2009 12:10:30 GMT
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```
#include <CtrlLib/CtrlLib.h>
```

```
using namespace Upp;
```

```
GUI_APP_MAIN  
{  
    TopWindow win;  
    RichTextCtrl rt;  
    String str = "[3A^test^ Graphical introduction]";  
    rt = str;  
    rt.SetFrame(BlackFrame());  
    rt.NoSb();  
    win.Add(rt.LeftPos(10, rt.GetWidth() + 2).TopPos(rt.GetHeight(INT_MAX) + 2));  
}
```

```
win.Run();  
}
```

Mirek

Subject: Re: how get font height
Posted by [bonami](#) on Mon, 29 Jun 2009 02:29:52 GMT
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OIC. It's auto sized. thank you.
