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Subject: Convert upp Font size to LOGFONT size  
Posted by [mobilehunter](#) on Wed, 02 Apr 2008 22:54:01 GMT  
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Hi i did this inside RichEdit control, RichEdit just an example.  
The problem was size of font.

```
LOGFONT lf;  
FontInfo fi = formatinfo.Info();  
ImmGetCompositionFont(hIMC,&lf);  
lf.lfHeight = -DotToPt(formatinfo.GetHeight());  
//font size will follow current font setting  
ImmSetCompositionFont(hIMC, &lf);
```

The result was character inside IME window displayed smaller.  
Is there any way to make character size inside IME window to have the same size as what richedit displayed?

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Subject: Re: Convert upp Font size to LOGFONT size  
Posted by [mirek](#) on Sun, 06 Apr 2008 03:29:23 GMT  
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Why DotToPt?

Anyway, IMO, if you use what is used in

```
FontInfo Draw::Acquire(Font font, HDC hdc, int angle, int device)
```

you should get equal results (CreateFont is used there, but the formula for font height ought to be the same).

That is:

```
font.GetHeight() ? -abs(font.GetHeight()) : -12,          font.GetWidth()
```

(do not ask...

Mirek

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Subject: Re: Convert upp Font size to LOGFONT size  
Posted by [mirek](#) on Sun, 06 Apr 2008 03:31:36 GMT  
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Ah, I see - are you supposed to put there points instead of pixels?

Well, even in that case, your formulae is wrong. IMO, you will have to take into account actual screen DPI (dots are fixed at 600dpi, which is not screen resolution).

Mirek

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Subject: Re: Convert upp Font size to LOGFONT size  
Posted by [mobilehunter](#) on Tue, 08 Apr 2008 03:18:57 GMT  
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I got this formula from MSDN  
`fontHeight=-MulDiv(DotToPt(formatinfo.GetHeight()), GetDeviceCaps(hdc, LOGPIXELSY), 72);`

I just compared the UWord and WordPad for the font size using visual cues only, bad comparison though:).

It seems font size inside UWord bigger than WordPad. I compared using english alphabet.

I also compared the character inside WordPad with character inside UWord's IME window, both have the same size.

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Subject: Re: Convert upp Font size to LOGFONT size  
Posted by [mobilehunter](#) on Thu, 10 Apr 2008 03:24:58 GMT  
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Hi Mirek.

Today I learned another thing called Zoom from RichEdit control.

So it will make character displayed inside UWord bigger.

I didn't consider this factor when calculating the font height for IME window.

case closed

Thanks.

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