
Subject: Re: Basic character set analyzer
Posted by [cbpporter](#) on Sat, 31 Jan 2009 12:22:08 GMT
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I've made great progress today and all fonts are capable of displaying almost all Latin characters and compositions. There is one last problem and this is a big one.

added when I interrogate the font for the top and bottom of '̀', I will get something in the vicinity of 2 for top (it doesn't start exactly at the top of the line) and something in the vicinity of 5 for bottom (these numbers are just for example). I need this info, rather than ascent/height. And it works for most fonts. But there are some fonts which will return 0 for the top and the height of the font for bottom. So instead of getting (2, 5), I will get (0, 18) and this ruins all computations and causes the diacritic to be severely misplaced. This is not the correct value for the API calls that I have made, and I think it is the fault of the font designer, who did not alter the vertical extent information of the character and just went with the default font height.

I hope I was successful in explaining this issue.

I don't know how I could fix this, save for rendering the character in a white bitmap buffer, and shrinking the bitmap line by line until I have reached the minimal height and caching the result. I'm afraid such a method will be slow, and anyway I would rather not take such extreme measures.

There is one other solution: define one global font for diacritics and draw all diacritics with that

base, but the diacritic is going to look constant. I think this is a reasonable compromise.

What do you think?
