
Subject: New example: Text to SVG path converter
Posted by [mirek](#) on Wed, 19 Feb 2020 15:00:11 GMT
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I have needed something to do this and it ended as quite nice small utility and in examples folder...

BTW, the conversion routine is surprisingly simple in U++:

```
struct TextToSvg : FontGlyphConsumer {
    String t;

    void Put(Pointf p);

    virtual void Move(Pointf p);
    virtual void Line(Pointf p);
    virtual void Quadratic(Pointf p1, Pointf p2);
    virtual void Cubic(Pointf p1, Pointf p2, Pointf p3);
    virtual void Close();
};

void TextToSvg::Put(Pointf p)
{
    t << Format("%.2f %.2f ", p.x, p.y);
}

void TextToSvg::Move(Pointf p)
{
    t << 'M';
    Put(p);
}

void TextToSvg::Line(Pointf p)
{
    t << 'L';
    Put(p);
}

void TextToSvg::Quadratic(Pointf p1, Pointf p)
{
    t << 'Q';
    Put(p1);
    Put(p);
}
```

```
void TextToSvg::Cubic(Pointf p1, Pointf p2, Pointf p)
{
    t << 'C';
    Put(p1);
    Put(p2);
    Put(p);
}
```

```
void TextToSvg::Close()
{
    t << 'Z';
}
```

```
String TextToSvgPath(double x, double y, const char *text, Font fnt, bool singleline)
{
    WString ws = ToUnicode(text, CHARSET_DEFAULT);
    TextToSvg t;
    for(const wchar *s = ~ws; *s; s++) {
        fnt.Render(t, x, y, *s);
        x += fnt[*s];
        if(!singleline)
            t.t << "\n";
    }
    return t.t;
}
```

File Attachments

1) [TextToSvg.png](#), downloaded 302 times

Subject: Re: New example: Text to SVG path converter

Posted by [Didier](#) on Sun, 23 Feb 2020 10:23:59 GMT

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Very nice,

I am always suprised how well things just fit in (when you know very well what is available inside

While taking a look at this example I also decided to open some complex files with SvgViewer and some glitches appeared with the file I tested :

[https://dev.w3.org/SVG/tools/svgweb/samples/svg-files/gallar do.svg](https://dev.w3.org/SVG/tools/svgweb/samples/svg-files/gallar%20do.svg)

LEFT : UPP SvgViewer

RIGHT: Linux image viewer

File Attachments

1) [GallardoCompare.png](#), downloaded 167 times

Subject: Re: New example: Text to SVG path converter

Posted by [mirek](#) on Sun, 23 Feb 2020 18:06:17 GMT

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Didier wrote on Sun, 23 February 2020 11:23 Very nice,

I am always suprised how well things just fit in (when you know very well what is available inside

While taking a look at this example I also decided to open some complex files with SvgViewer and some glitches appeared with the file I tested :

<https://dev.w3.org/SVG/tools/svgweb/samples/svg-files/gallardo.svg>

LEFT : UPP SvgViewer

RIGHT: Linux image viewer

Well, it looks like the differences are caused by missing filters, which is the part of SVG I did not got to implement yet....

Subject: Re: New example: Text to SVG path converter

Posted by [Didier](#) on Sun, 23 Feb 2020 18:52:26 GMT

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OK, I understand

The file uses many times the following filters:

feGaussianBlur linearGradient radialGradient

So this explains it

Since nobody complained about it missing, all seems good ;)
