

Acro T_EX Software Development Team

Notes on formatting for the Windows Mobile

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Acro T_EX.Net

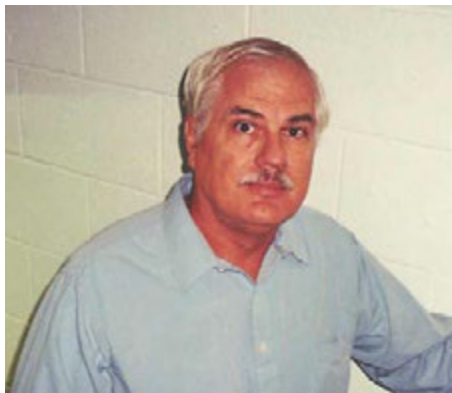
The dimensions of the document are 4in wide and 8in in height. The point size is set to 12pt.

This layout was tested on my mobile is a **Samsung Focus**, with a **Windows OS**, which has a display screen of 800 by 480 pixels (a 5:3 aspect ratio).

Below is a math equation to determine the quality of rendering of math.

$$\sin^2(x) + \cos^2(x) = 1$$

We also include a picture to test the quality here too.



I'm using times roman and helvetica fonts to minimize the size of the PDF file.

The goal is to maximize the experience of the user, that's you, when you *view* or *print* this document in **Adobe Reader** on a computer/laptop, and when

you view this document on a smart phone (such as my **Samsung Focus**) or an **iPad**.

For the Desktop/Laptop. We list the major design points:

- The initial view of Adobe Reader is set to **Two-Up Continuous (Facing)** and **Fit Width**. When you view the PDF on a computer, you get a page of 8 inches wide and two columns. This format reads comfortably.
- The **Print** button at the top-left of each page prints the document with two digital pages per physical page. It prints out how the document looks when viewed (with 2Up).
- The **Toggle Cols** in the upper-left corner, toggles between a single column fit to the width of the window, and the two-column layout. Clicking on the **Fit to window width** button allows you to look at each single page.

For the Smart Phone/iPad. When viewing the document in a smart phone or an **iPad**, the initial view is ignored; you get a single, continuous page. The width of the page and the font size make it easy to read on a digital device. Links do not work in the app version of Adobe Reader, so the **Print** and **Two Cols** links do not work.

L^AT_EX Details. As mentioned earlier, I used time roman fonts, the following packages were used:

```
\usepackage[scaled=0.93]{helvet}
\usepackage{mtpro}
```

I used the **web** and **eforms** package to create this document; **web** for the page layout, and **eforms** for the links, though **hyperref** provides links as well.

After Distilling. I modified the **Mobile** setting of the PDF Optimizer dialog box; in the Discard Objects panel, I unchecked the item **Discard all JavaScript actions**, and in the **Discard User Data** panel, I unchecked **Discard external cross references**. After distilling, the file size is 71 KB and after Optimized PDF with my modified Mobile setting the file size is about 57 KB.

Finally. I've added an `\AtEndDocument` event to generate an additional page if there is only an odd number of pages.

Now, back to my retirement. dps

Questions. How does this PDF view you your smart phone or iPad? Send me your comments, and suggested features. My email is dpstory@uakron.edu.

