

# Freeware, Shareware, Inexpensive Software

- From nearly essential for all to
- Amazingly labor saving at work to
- übergeeky

# Essential Freeware

- If you are still using Office 2003, there is a Microsoft compatibility pack to read / write the Office 2007 / 2010 file formats:
  - <http://office.microsoft.com/en-us/support/microsoft-office-compatibility-pack-for-word-excel-and-powerpoint-HA010168676.aspx>
- If you don't have any version of Office, there are free viewers to allow you read / print Office files. Example for PowerPoint:
  - <http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=13>
- [www.openoffice.org](http://www.openoffice.org) is now hosted by the Apache Software Foundation:
  - <http://www.openoffice.org/>

## Useful Freeware

- Adobe Reader ([link](#))
- Adobe Flash ([link](#))
- Firefox
- Safari
- Google Chrome } ([link](#))
- Sun Java } ([link](#))
- PDFCreator ([link](#))
- Google Earth ([link](#))
- Greenfish Icon Editor ([link](#))
- How to make custom account pictures ([link](#))
- How to add print directory to Windows ([link](#))

## Useful Freeware

- inSSIDer ([link](#))
- Axcrypt ([link](#))
- VLC Media Player ([link](#))
- MWcalc ([link](#))
- ImageJ / Radial Profile Plot ([link](#))
- XOP / IMD (optical modeling) ([link](#))
- AlternaTIFF (TIFF image viewer for US Patents inline viewing) ([link](#))
- Free Patent Fetcher (10 free PDF's / day)

<http://free.patentfetcher.com/Patent-Fetcher-Form.php>

## Useful Inexpensive Software

- Excel Import Multiple Text Files Software ([link](#))
- Business Card Designer Plus ([link](#))
- Digitizelt ([link](#))
- Second Copy ([link](#))
- Outlook Shutdown addin ([link](#))
- Bizcalc ([link](#))
- PerfectDisk ([link](#))
- Master Cook 11 ([link](#))
  - RecipeFox for Firefox

# Adobe

- Adobe Acrobat Reader (PDF file viewer)
  - <http://get.adobe.com/reader/>
    - (be sure to deselect Google Toolbar if you don't want it)
- Adobe Flash (video viewer)
  - <http://get.adobe.com/flashplayer/>
    - (be sure to deselect Google Toolbar if you don't want it)

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# Alternative Browsers

- Firefox
  - <http://www.mozilla.org/en-US/firefox/new/>
- Google Chrome
  - <https://www.google.com/chrome>
- Safari
  - <http://www.apple.com/safari/>

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# Sun Java

- Download link:
  - <http://java.com/en/download/index.jsp>
  - (uncheck add-ons that you don't want)
  - Note: uncheck Ask toolbar / default search if don't want
- Version check:
  - <http://www.java.com/en/download/installed.jsp>
- May need to install into alternative browsers / authorize installation of add-in

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# PDFCreator

- Download link:
- <http://sourceforge.net/projects/pdfcreator/>
- Creates a virtual printer that is accessible from any application



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# Google Earth



- Download link:
- <http://www.google.com/earth/index.html>

Google Earth  
Demo

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# Greenfish Icon Editor

- Allows creation / editing of custom icons
- Download link:
- [http://download.cnet.com/Greenfish-Icon-Editor-Pro/3000-2193\\_4-10773415.html?tag=mncol;1](http://download.cnet.com/Greenfish-Icon-Editor-Pro/3000-2193_4-10773415.html?tag=mncol;1)



Custom icon

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# Custom user account picture

- Windows 7 default location:
- <C:\ProgramData\Microsoft\User Account Pictures\Default Pictures>
- You can add your custom pictures to the above location so that the user accounts applet lists them automatically. Ensure that the dimension of the picture is 128x128 pixels, and it's a Bitmap image (.bmp).

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# How to add print directory command to Windows

- <http://support.microsoft.com/kb/321379>
- This page has a Microsoft Fix-It:



Add the Print Directory feature  
Microsoft Fix it 50548

- After running this, right clicking on folder now give the option to print directory

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# inSSIDer

- – Inspect your Wi-Fi and surrounding networks
- – Scan and filter hundreds of nearby access points
- – Troubleshoot competing access points and clogged Wi-Fi channels
- – Highlight access points for areas with high Wi-Fi concentration
- – Track the strength of received signals in dBm over time
- – Sort results by MAC Address, SSID, Channel, RSSI, Time Last Seen
- Download link:
- <http://www.metageek.net/products/inssider/>
- If issue with current version, I have the installer file for a known stable version

# Axcrypt

- East to use encryption software
- Encrypts / decrypts individual files / folders
- Adds to Windows right click context menu
- Double clicking encrypted file brings up Axcrypt menu; closing file automatically re-encrypts file / bleaches clear text file
- Information / download link:
  - <http://www.axantum.com/axcrypt/>

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# VLC Media Player

- Versatile media player
- I used it to capture streaming video from an IR camera on the local network (the camera software could only capture stills)
- Download link:
- [http://download.cnet.com/VLC-Media-Player/3000-13632\\_4-10267151.html?tag=mncol;1](http://download.cnet.com/VLC-Media-Player/3000-13632_4-10267151.html?tag=mncol;1)

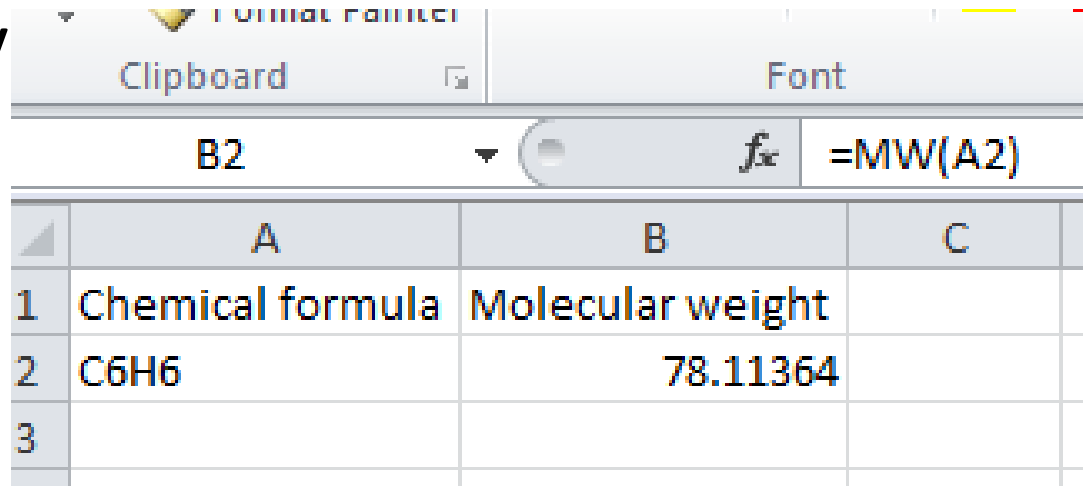
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# MWcalc

- Excel addin to calculate molecular weight
- Place the DLL in Office 12 / library or Office14 / library

- Result:



	A	B	C
1	Chemical formula	Molecular weight	
2	C6H6	78.11364	
3			

- Works with Excel 97 through 2010
- Information and Download:
- <http://www.chemicallogic.com/mwcalc/>

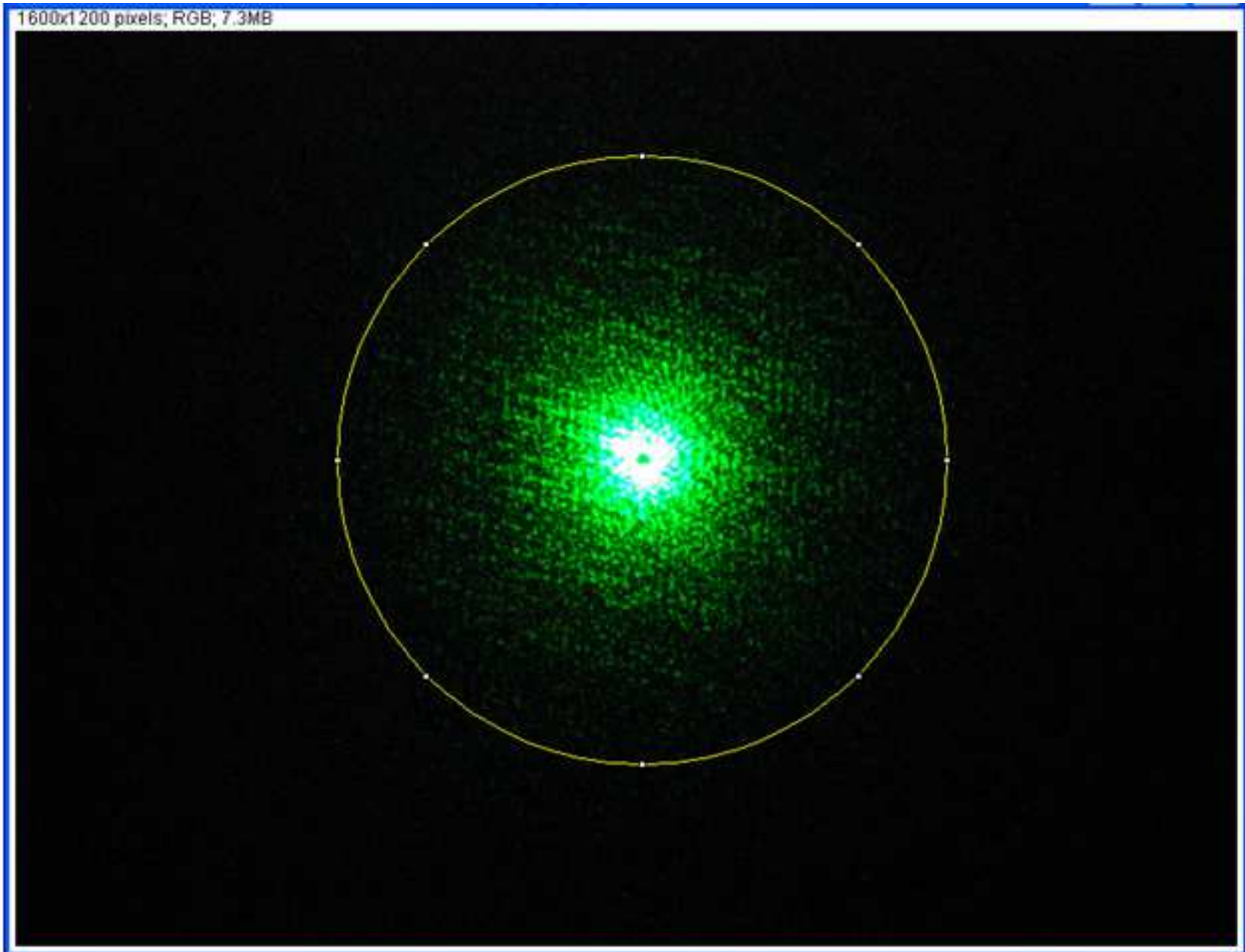
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# ImageJ

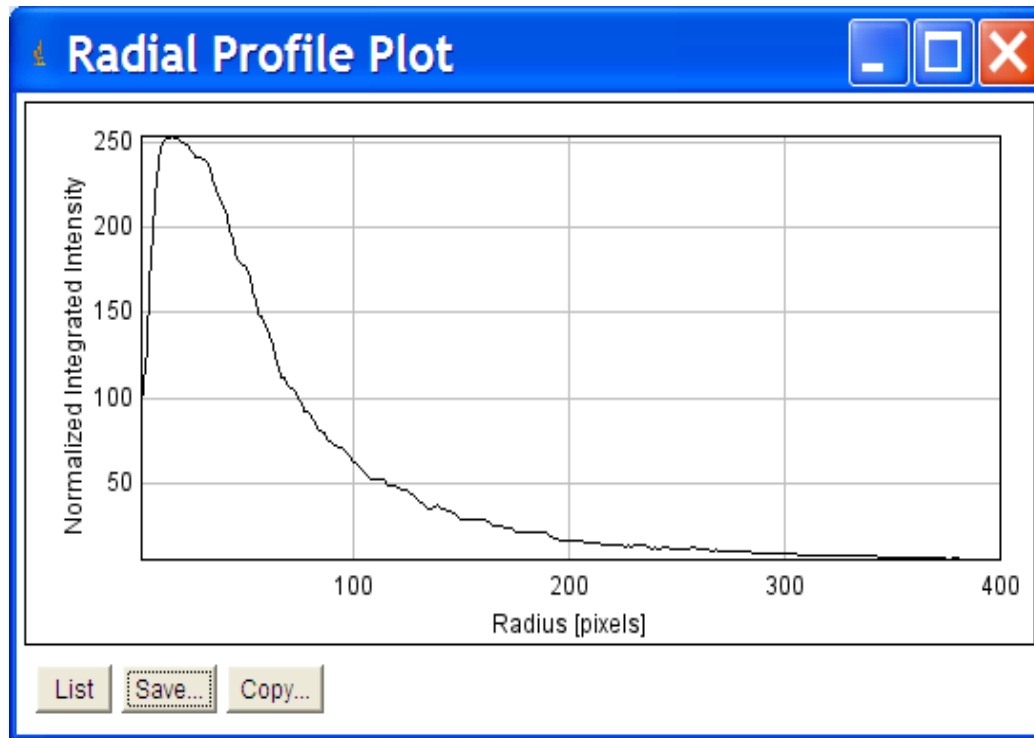
- Sophisticated image analysis program, originally written at NIH for the early Mac, since ported to Java
- Has many useful plugins that extend capability, including Radial Profile Plot
- Documentation and download link:
  - <http://rsbweb.nih.gov/ij/>
- Radial Profile Plot:
  - <http://rsbweb.nih.gov/ij/plugins/radial-profile.html>

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# Image



# Radial Profile Plot



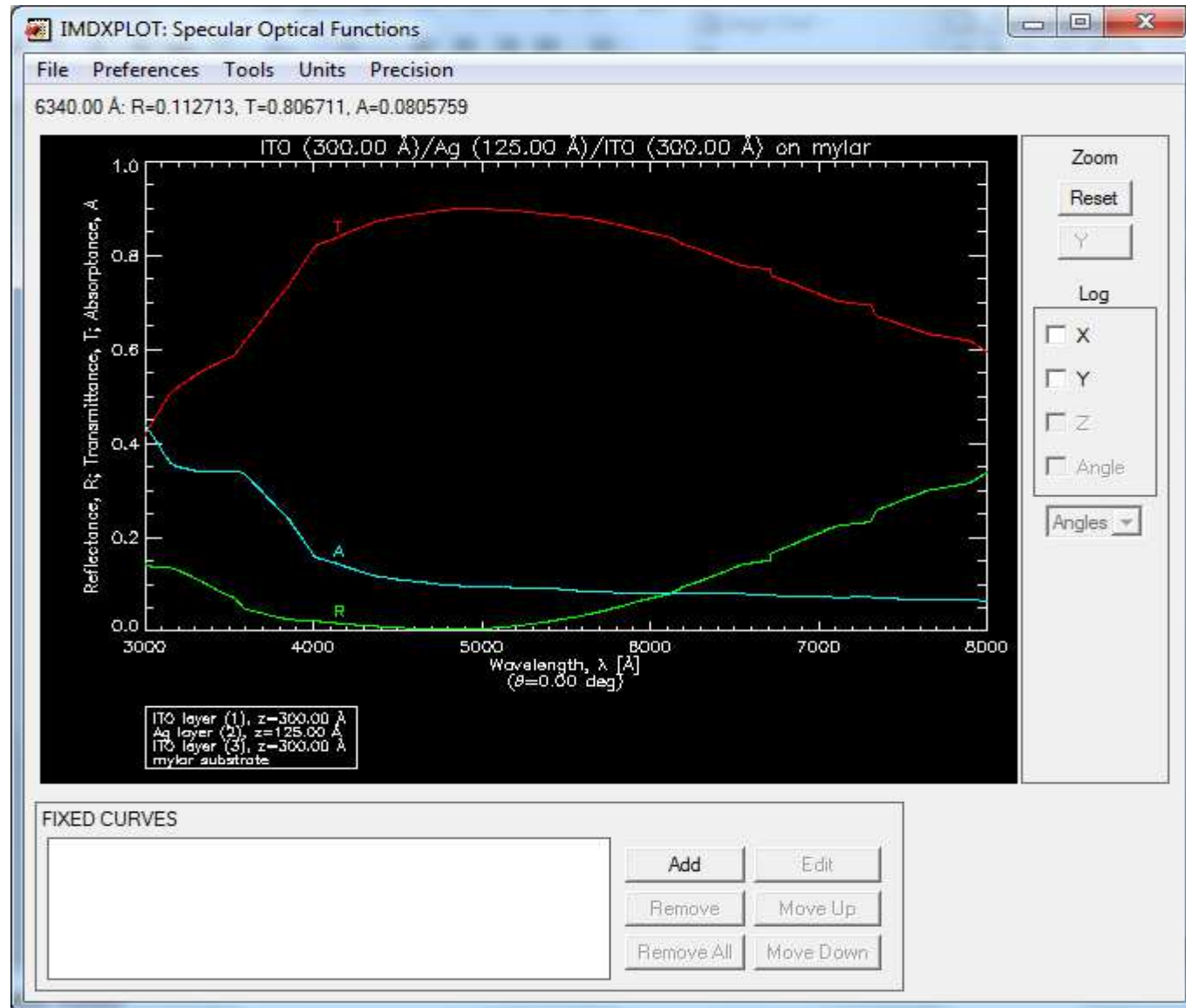
- Numerical values can be exported to tab delimited text file for import into Excel

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# XOP / IMD optical modeling

- Freeware that did the job of very expensive commercial software at zero cost
- Interface is a bit funky, but fully useable
  - (I can help if anyone is interested)
- Optical constants ( $n$ ,  $k$  vs.  $\lambda$ ) are in simple text files, so new material can be added in same format
- Information and download link:
  - <http://www.esrf.eu/computing/scientific/xop2.1/extensions.html>

# XOP / IMD modeling example (3 layer heat mirror on PET plastic)



# AlternaTIFF

- TIFF Image viewer browser add-on for inline viewing of US Patents
- Download link:
  - <http://www.alternatiff.com/>

The screenshot displays the United States Patent and Trademark Office (USPTO) website interface. At the top, the USPTO logo and name are visible, along with a navigation menu including Home, Site Index, Search, FAQ, Glossary, Guides, Contacts, eBusiness, eBiz alerts, News, and Help. Below this, a yellow banner shows the Patent Number: US006913713, Section: Drawings, and 10 of 52 pages. A toolbar contains various icons for navigation and viewing, including a search icon, a hand icon, a zoom icon, a print icon, a download icon, and a button labeled 'AlternaTIFF'. The main content area shows the patent title 'U.S. Patent', the date 'Jul. 5, 2005', the page number 'Sheet 8 of 28', and the patent number 'US 6,913,713 B2'. Below this, three technical drawings are displayed, each with numerical labels (803, 802, 812, 825, 815, 325) indicating specific components. On the left side, there is a sidebar with a 'Full Text' link, a 'Help' link, a 'Go to Page:' input field with a 'Go' button, and a 'Sections:' menu with radio buttons for 'Front Page', 'Drawings', 'Specifications', and 'Claims'. The 'Drawings' option is selected.

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# Excel Import Multiple Text Files Software (\$29.99)

- I had tasks with sets of 150 text files of data that had to be imported into Excel; the first set of 150 took several hours of tedium (one at a time)
- Excel Import Multiple Text Files Software did the next set of 150 in 3 minutes!!!
- Information / trial download /purchase link:
- <http://www.sobolsoft.com/exceltext/>

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# Business Card Designer Plus (\$29.99)

- Easy to use business card design software
- Automatically formats for printing onto pre perforated business card stock on ink jet printer
- Information / download / purchase:
  - [http://www.camdevelopment.com/designer/business\\_card/](http://www.camdevelopment.com/designer/business_card/)

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# Digitizeit (€ 39 / \$ 49)

- If you have a graph from a publication and need numerical data, this is for you!
- MUCH less tedious and more accurate than doing it by hand
- Information / download / purchase:
  - <http://www.digitizeit.de/>

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# Second Copy (\$29.99)

- Powerful, versatile backup utility
- Can run automatically, or in manual mode
- Information / download / purchase:
  - <http://www.seconcopy.com/index.html>

# Outlook Shutdown add-in (\$4.99)

- STOP USING TASK MANAGER TO KILL OUTLOOK.EXE!
- Are you frustrated like I am that Microsoft Outlook doesn't shutdown? When you exit Outlook does it stay running the background wasting system resources? Well if you are then you need Shutdown Addin.
- Information / download / purchase:
  - <http://www.daveswebsite.com/software/olshutdown/>

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# Bizcalc (\$14.95)

- BizCalc is an intuitive, feature-rich programmable business and financial software that fully emulates the famous HP-12C calculator.
- Uses RPN logic.
- Information / download / purchase:
  - <http://www.odysseyinc.com/oldsite/subpages/Software/BizCalc/index.htm>

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# PerfectDisk 12.5 Pro (1 PC: \$24.99, 3 PC: \$29.99)

- Superior disk defragmentation
- Allows defragging of system files
- Includes SSD optimization
- Have personally used on all my machines and friends machines (both standard and SSD drives)
- Information / download / purchase:
  - <http://www.raxco.com/home/home-professional.aspx>

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# Mastercook 11 (\$19.95)

- Recipe management software
- Comes with hundreds of recipes
- Easy to add recipes / cookbooks
- Direct import from web using Internet Explorer native; Firefox with [Recipefox](#) add-in
- Can create shopping lists / export to iPhone app
- Information / purchase:
- [http://www.valusoft.com/DRHM/store?Action=DisplayProductDetailsPage&SiteID=valusoft&Locale=en\\_US&productID=183067000](http://www.valusoft.com/DRHM/store?Action=DisplayProductDetailsPage&SiteID=valusoft&Locale=en_US&productID=183067000)

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# Recipefox add-in for Firefox (free)

- Download the latest version from SourceForge; the version on the Firefox add-in page is NOT up to date and may not run with the current version of Firefox
- <http://sourceforge.net/projects/recipefox/files/RecipeFox/>