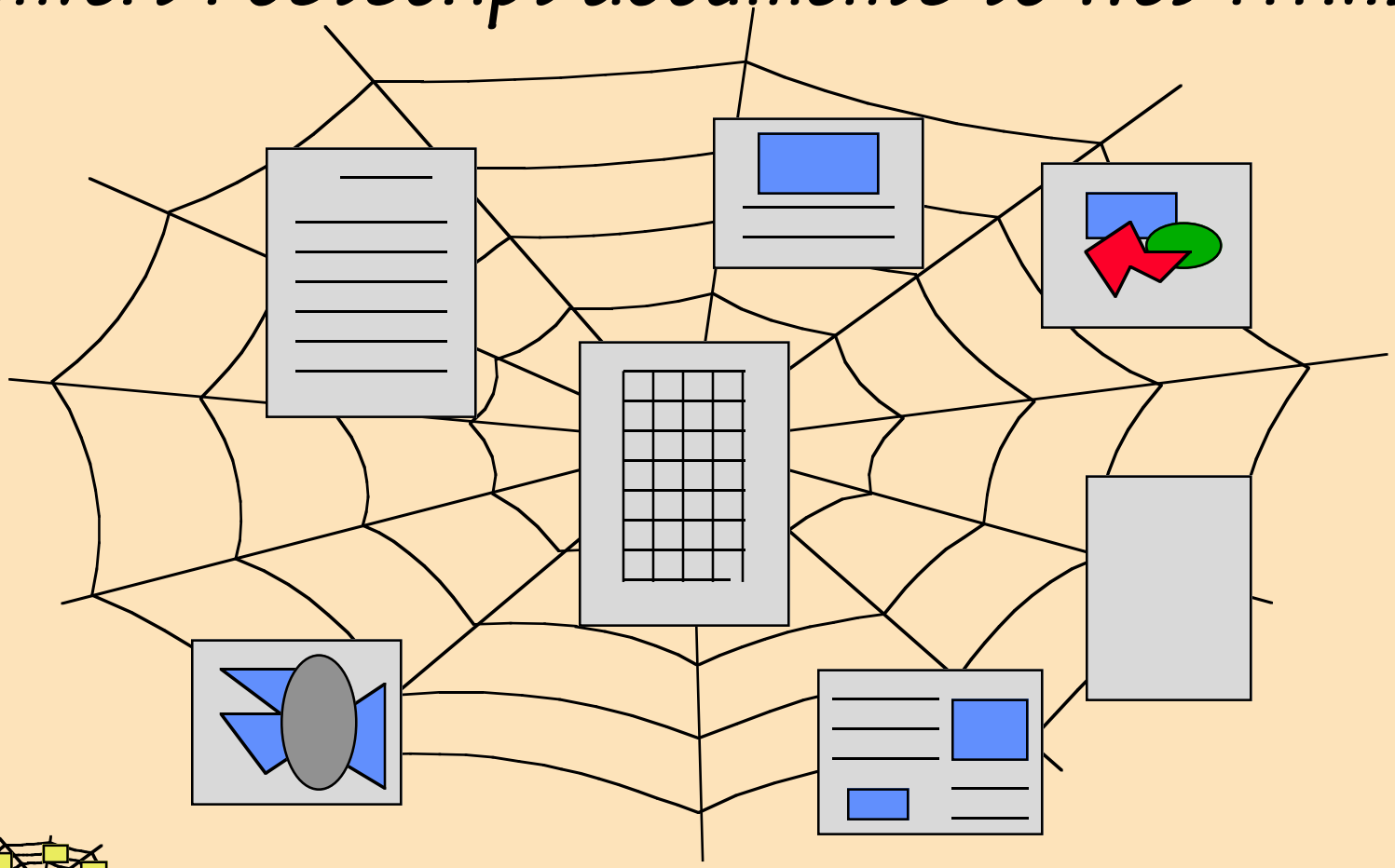
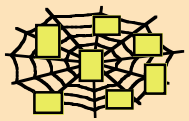
Webify

convert Postscript documents to Web HTML





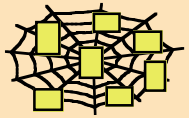
WEBIFY --- Steve Ward, ward@mit.edu

What is Webify?

Webify is a UNIX program which converts an arbitrary, multi-page Postscript file to a tree of HTML files with JPEG images and thumbnails for each page. It is useful for

- Converting Powerpoint (and other presentations) to Web-browsable form (the motivating application).
- Generating in-lineable documents from Tex, Framemaker, arbitrary MAC, PC, or UNIX programs capable of generating Postscript.

Webify relies on **Ghostscript**, which must have **ppm** device conversion installed.



WEBIFY --- Steve Ward, ward@mit.edu

Using Webify

Invoke ***Webify*** via a command like

```
webify <options> template-file ps-file
```

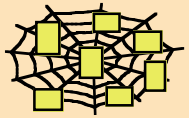
where

template-file is a text file containing template html for the web pages to be generated, as well as other parameters;

ps-file is the source postscript file; and

<***options***> specify parameters which augment or override those in the template-file.

Webify will create a directory containing newly-generated JPEGs and html pages for browsing your document.



WEBIFY --- Steve Ward, ward@mit.edu

Webify Help & Options

HELP: Type the command "**webify**" with no arguments for a brief summary of options and template file format.

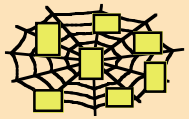
Common command line **<options>** include:

-r # Rotate page clockwise by # 90-degree increments. Use **-r 3** for typical lanscape-oriented presentations.

-T # Thumbnail resolution # dpi; dictates final size.

-S # Slide (page) resolution # dpi; dictates page size.

-t "title" - gives title of presentation/document.

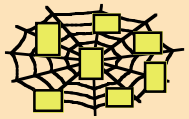


WEBIFY --- Steve Ward, ward@mit.edu

Webify Template File

The Webify template-file is a text file containing special escape sequences enclosed in curly brackets. The escapes are somewhat ad-hoc; you can get a list of them via webify help.

The best way to see how the template works is by example. The template for this description is included in the distribution package.



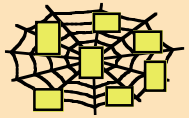
What you need for Webify:

To run Webify, you need a UNIX host with certain (free) software installed. Verifiy by checking for

1. **Ghostscript**: type the command "**gs -h**", which should give a blurb including installed devices which must include "ppm". If it doesn't, get Ghostscript configured properly on your system.

2. **Cjpeg:** type the command "**cjpeg -h**", which will get you help from the cjpeg program if it is installed.

If either of these is missing from your UNIX system, see the attached webify notes for help getting them.

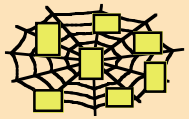


WEBIFY --- Steve Ward, ward@mit.edu

Getting & Installing Webify

Assuming **gs** and **cjpeg** are installed on your system...

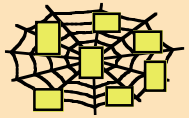
click **download** at the bottom of this page to FTP a tar file containing Webify source (a single C program), Makefile, and the sources for this description (which serve as an example). The Makefile should be self-explanatory, or at least capable of being understood by a strongly intuitive technical wizard. No such promises for the C code...



WEBIFY --- Steve Ward, ward@mit.edu

Webify is FREE!

... no strings attached. Of course, you need Ghostscript with its copyleft constraints for Webify to be useful.

Webify will doubtless continue to evolve, perhaps into a reasonably streamlined and workable tool. If you contribute to that evolution, I'd appreciate getting your updates so that they may be rolled into the distributed version.

-Steve Ward 9/95 Ward@MIT.EDU