

APPLICATION NOTE
HOW TO USE XV
TO GRAB A WINDOW

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1. INTRODUCTION

This report describes how to use the program *xv* to grab window pictures. After the picture is grabbed, it can be edited and stored in certain format to be used later for some document.

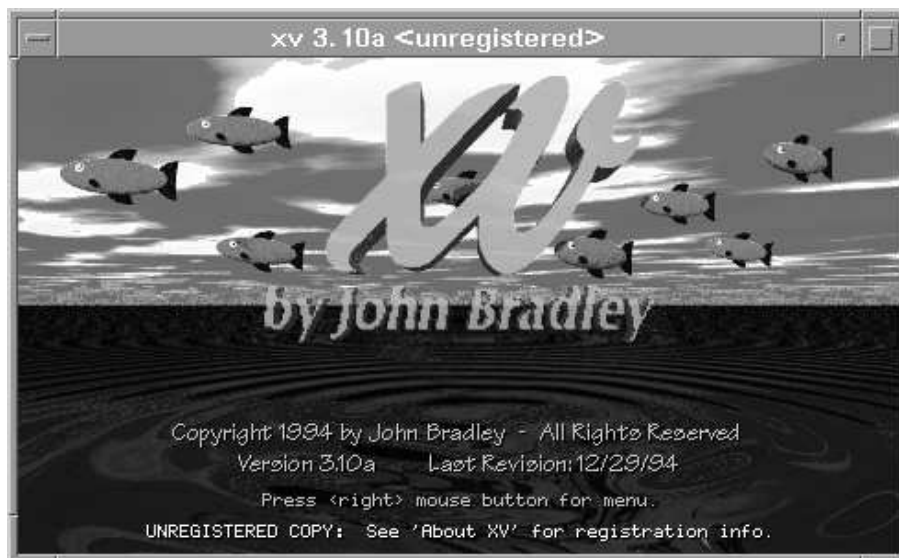
I use the PostScript format and include it with the *psfig* program and format my input text with "psroff -mm" to get a complete PostScript document.

I explain what you must do with the *xv* program to get a compact PostScript dump of the window picture.

If you start the *xv* program

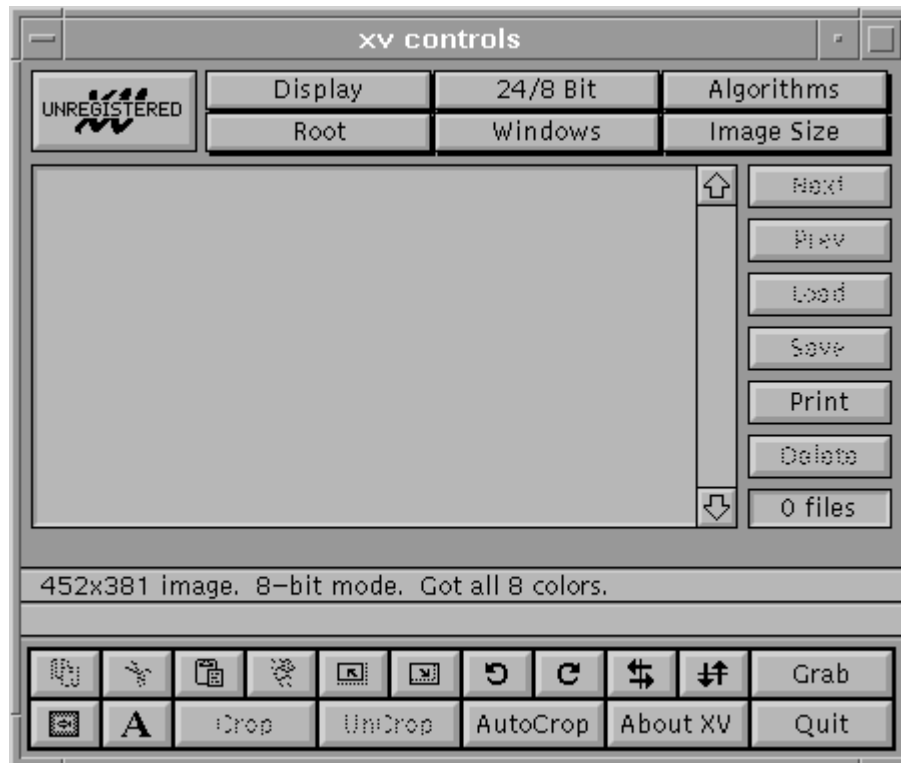
```
% xv &
```

you get the "xv main" window:



2. HOW TO USE XV

If you have a *xv* main window, click with the right mouse button on this window to get the “*xv controls*” window:

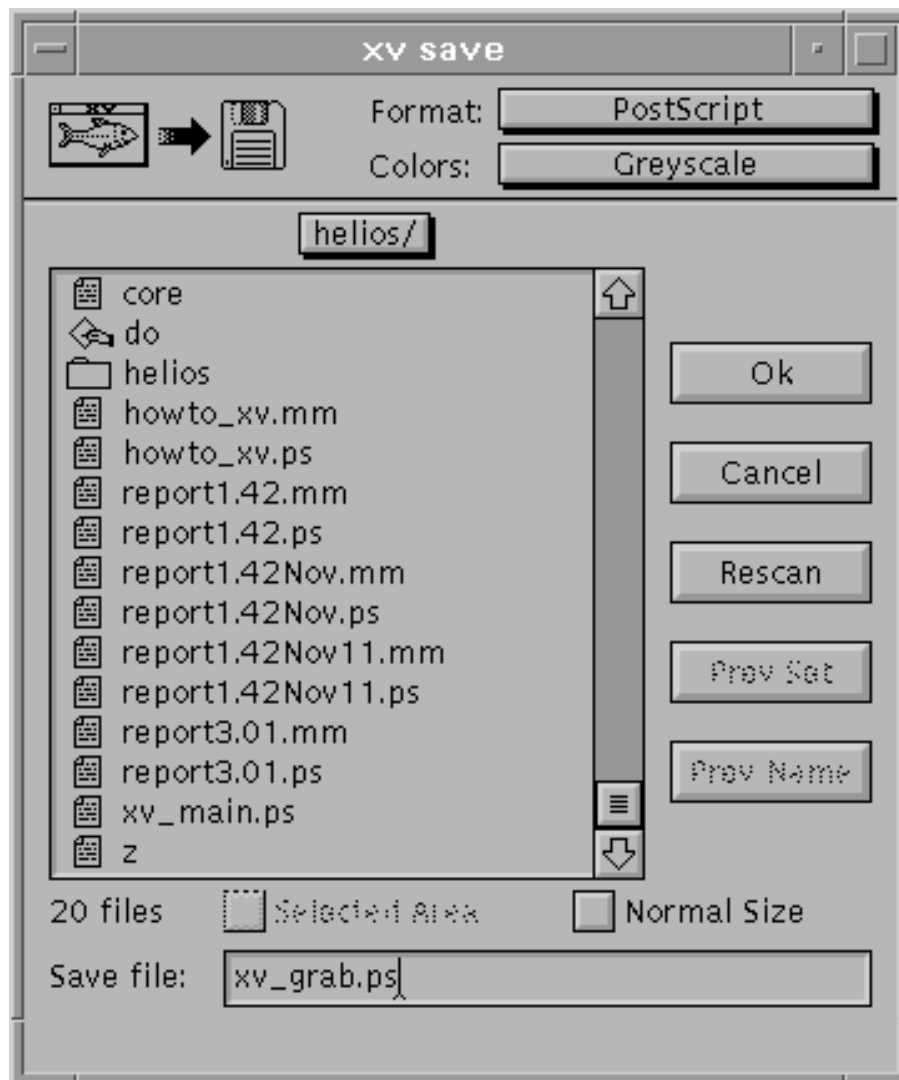


For grabbing, click with the left mouse button on the [Grab] button. You get the “*xv grab*” window:

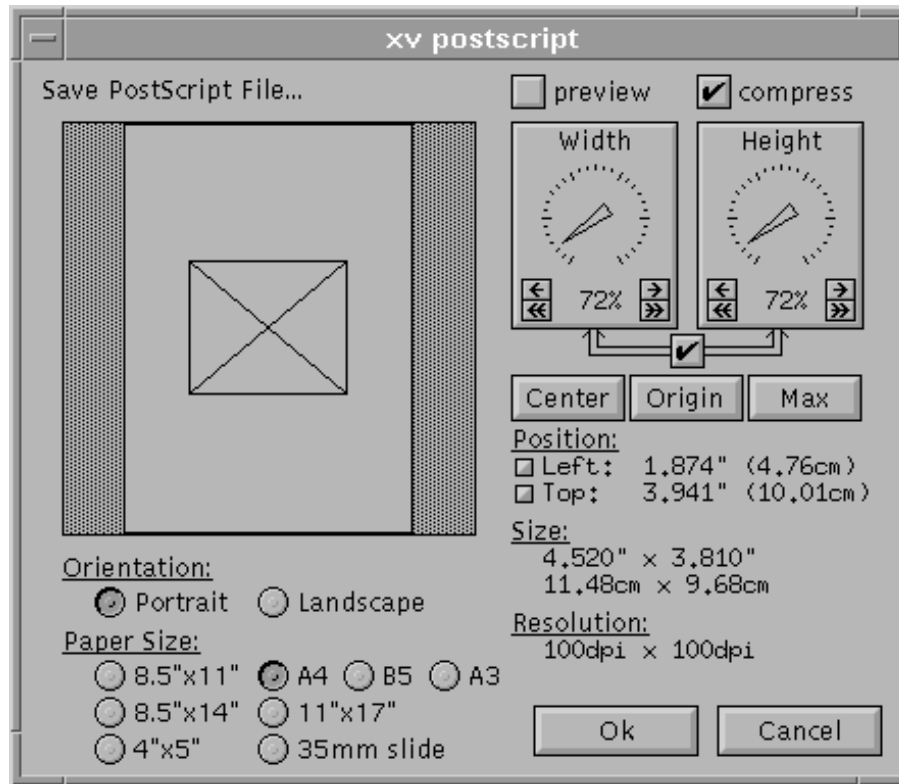


For grabbing a window, click on the [Grab] button and click on the window you want to grab. Be sure that this window is totally visible. You can see the grabbed window in the *xv* main window.

If you want to save this window into a file, click on the [Save] button. You get the “*xv* save” window:



Specify the Format (PostScript) and the Colors (Greyscale) and the Save file name (*xv_grab.ps*) and click on [Ok]. You get the “*xv* postscript” window:



In the `xv postscript` window you can select the Paper Size (A4) and adjust the Resolution (100x100dpi) (dpi=dots per inch). You adjust the resolution in the Width field with the buttons [`<<`], [`<`], [`>`], [`>>`]. Click on [`Center`] to center the bounding box of the window picture. Click on the [`compress`] toggle, to choose for compressed PostScript. Click on [`Ok`] to save the file.

Add the following lines in your “mm” file:

```
.DS
.F+
figure xv_grab.ps width 30
.F-
.DE
```

Use the following command to process/format your “mm” file and use the GhostView program `gv` to preview the results:

```
% psfig howto_xv.mm | psroff -mm > howto_xv.ps
% gv howto_xv.ps
```

3. GROFF NOTE

For the GNU *groff* program, we do not use a static display and “figure” statement. We use the following statements:

```
.F+  
.PSPIC xv_grab.ps 5i  
.F-
```