EMF is easy to use because nearly all Windows programs can import it and because it can be copied to the clipboard as well as written to a file. Some programs, notably some older versions of Microsoft Office, require that you choose Paste Special rather than Paste to paste an EMF from the clipboard.

Although drawing programs can decompose an EMF into its component parts to allow editing the individual objects, they often get it wrong due to the complexity of the metafile format. Some applications that decompose an EMF correctly are confused by the dual EMF. For such programs, you need to export a plain EMF by setting the graphics technology to GDI.

BMP Format

BMP is a Windows bitmap format. It is accepted by a wide variety of programs but requires a lot of memory and disk space because it is not compressed. A BMP is also known as a DIB (device-independent bitmap).

If the program to which you are exporting supports PNG then PNG is a better choice.

PDF Format

PDF (Portable Document Format) is Adobe's platform-independent vector graphics format. This is the best format as long as your destination program supports it. It is more widely supported on Macintosh than on Windows.

The Igor PDF format is generated by Igor's own code rather than by the OS. As of Igor Pro 9, Igor PDF supports transparency and does a better job of font embedding. However, if you request CMYK color, the older code is used.

When Igor exports graphics as PDF on Windows, any pictures, including PDF pictures, imported into Igor are exported as bitmap images.

Blurry Images in PDF

When Igor exports an image plot, it exports the image as a single image object when possible. However, some PDF viewers, most notably Apple's, take it upon themselves to blur the pixels. To get around this, you can tell Igor to draw image pixels as individual rectangles using the **ModifyImage** interpolate keyword with a value of -1. You should do this only when necessary as the resulting PDF will be much larger.

Encapsulated PostScript (EPS) Format

Encapsulated PostScript was a widely-used, platform-independent vector graphics format consisting of PostScript commands in plain text form. It usually gives the best quality, but it works only when printed to a PostScript printer or exported to a PostScript-savvy program such as Adobe Illustrator. You should use only PostScript fonts (e.g., Helvetica).

Encapsulated PostScript was a widely-used platform-independent vector graphics format consisting of PostScript commands in plain text form. EPS is largely obsolete but still in use. It usually gives good quality, but it works only when printed to a PostScript printer or exported to a PostScript-savvy program such as Adobe Illustrator. You should use only PostScript fonts such as Helvetica. EPS does not support transparency.

Prior to Igor Pro 7, Igor embedded a screen preview in EPS files. This is no longer done because the preview was not cross-platform and caused problems with many programs.

EPS files normally use the RGB encoding to represent color but you can also use CMYK. See **Exporting Colors** on page III-105 for details.

Igor Pro exports EPS files using PostScript language level 2. This allows much better fill patterns when printing and also allows Adobe Illustrator to properly import Igor's fill patterns. For backwards compatibility with old printers, you can force Igor to use level 1 by specifying /PLL=1 with the SavePICT operation.

If the graph or page layout that you are exporting as EPS contains a non-EPS picture imported from another program, Igor exports the picture as an image incorporated in the output EPS file.