

The Image War

pixel oriented *vs* vector graphic

Printed on 600 dpi laserwriter



This image is 385 x 489 pixels.
It is saved as a tiff file
at 300 ppi. (pixels per inch).
The size is 1.283"x 1.63"
100%

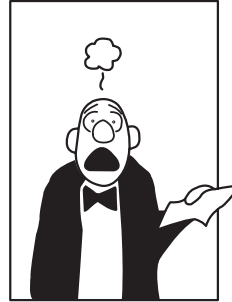
photoshop

Pixel oriented images are held hostage by their initial resolution.

The larger the viewing size, the more coarse the image will appear. However, there is a trade-off for making the resolution higher.

Increasing the number of pixels in the image increases the size of the file.

Each pixel, whether colored or not, has to be mapped as to location and description. This produces large file sizes

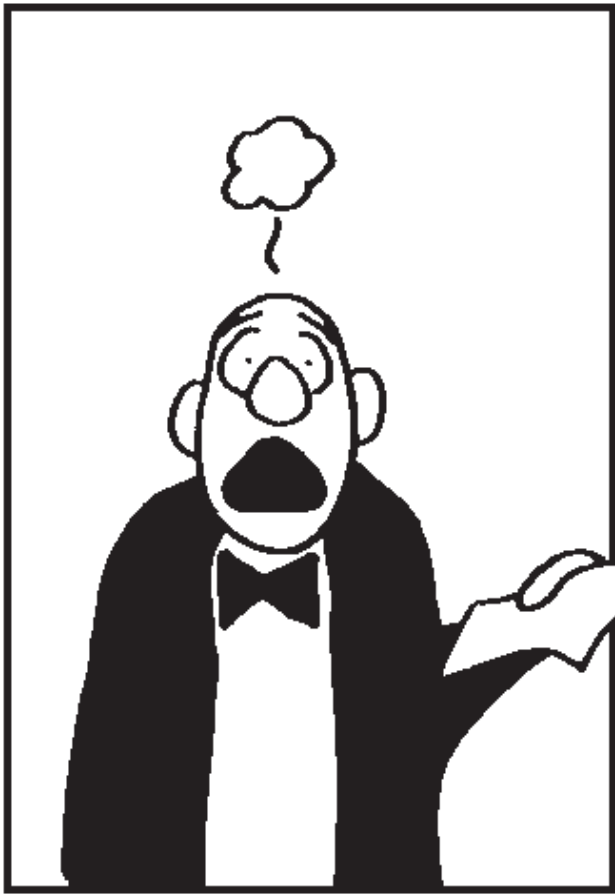


eps

illustrator

Vector graphic images are hostage only to the output limitations of the printer. They reproduce equally well at any size. The file size does not change if larger images are required.

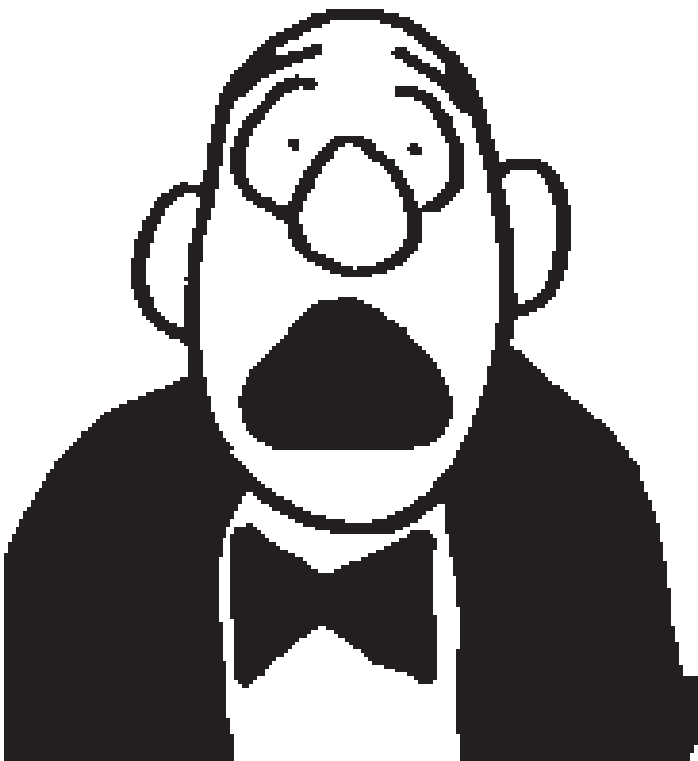
Printing instructions are given as vectors, direction and magnitude, which provide all information necessary to reproduce images. File sizes are relatively small.



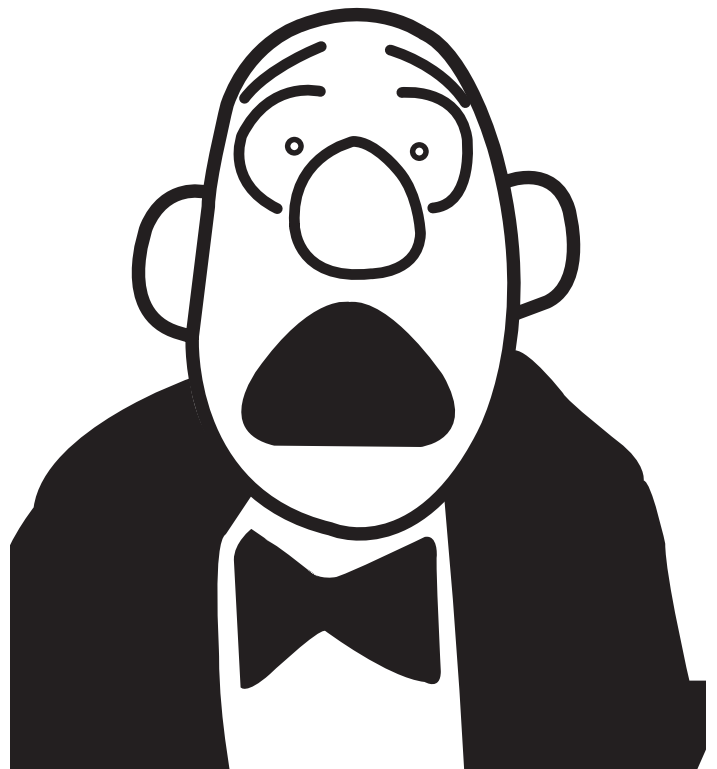
300% tiff (still only 385 pixels x 489 pixels)



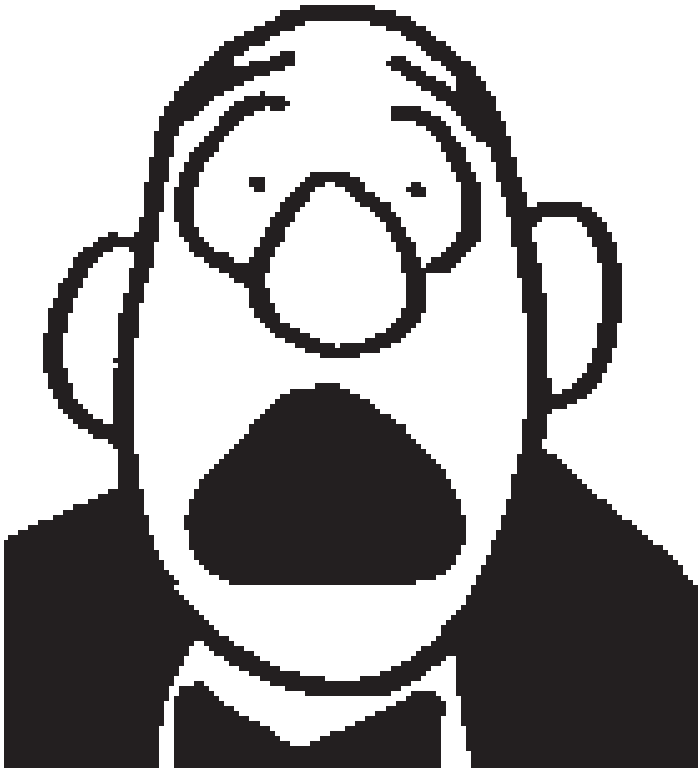
300% eps



600% tiff



600% eps



789% tiff



789% eps



1000% tiff



1000% eps

The original tiff file was only
385 x 489 pixels.

To produce a TIFF image comparable in
quality to the enlarged EPS file requires
3592 x 4669 pixels.

The file size of this image is
63.9 MB

The file size of this image is
92 K



close up of new hi res tiff



closeup of same eps