Importing an AutoCad format vector file

When you've got a digitized file from another planet. Try to save it in .dxf format. This is readable by GRASS and it's a fairly straightforward import. If you're using the Macintosh digitizing program, you can save the files in .dxf format, Fetch them to the GRASS host, and import them using the GRASS command v.in.dxf . **Use the "text" format in Fetch to get them across.**

Let's assume you have a file you've created and managed to get it into you home directory. The name and the full path are required to call up the file. To get this info log onto gilbert and type
`pwd`
which should print out the PATH of your home directory like mine
`/usr/people/dharbor`
Now type
ls
to get a list of the files available

```
Unix_notes        dumpster                tshape.sh
Using_ermapper    gauges                  up-down.jot
big.hill.class    kill_example_with_grep  usgs.lulc.classes
coin.out          public_html             using_r.drain
soils.dxf         rubber.ruler.example    utm.out
```

I'm going to import the file called "soils.dxf" so the full path name is
`/usr/people/dharbor/soils.dxf`

Run the command
v.in.dxf
answering the following options
`output to an ascii vector file (default: binary)?(y/n) [n]` **choose the default or n**

```
OPTION: DXF input file
key: dxf
required: YES
enter option >
```
Here's where you enter the full path name above

```
OPTION: DXF layers with line data
key: lines
required: NO
multiple: YES
enter option >
```
Just hit enter, unless you have these files (see the manual).

OPTION: Prefix for dig or dig_ascii and dig_att output files
key: prefix
required: NO
enter option >
Just hit enter

That should be it. A vector file called input_name.0 will be created (the zero layer). I'd run
`g.rename vect=old_name,new_name`
to get rid of the .0 first.

Once it's in you'll need to run v.support on it so that v.digit can use the file.
Enter
`v.support`
and when it asks you want **option 1** to **build the topology file**
and **NO** you don't want to snap any nodes just yet.

When you enter v.digit make sure you check and change where necessary
the scale
the UTM zone
and the map name.

When you're done, go back the theTutorial Page

HELP: send e-mail to harbor