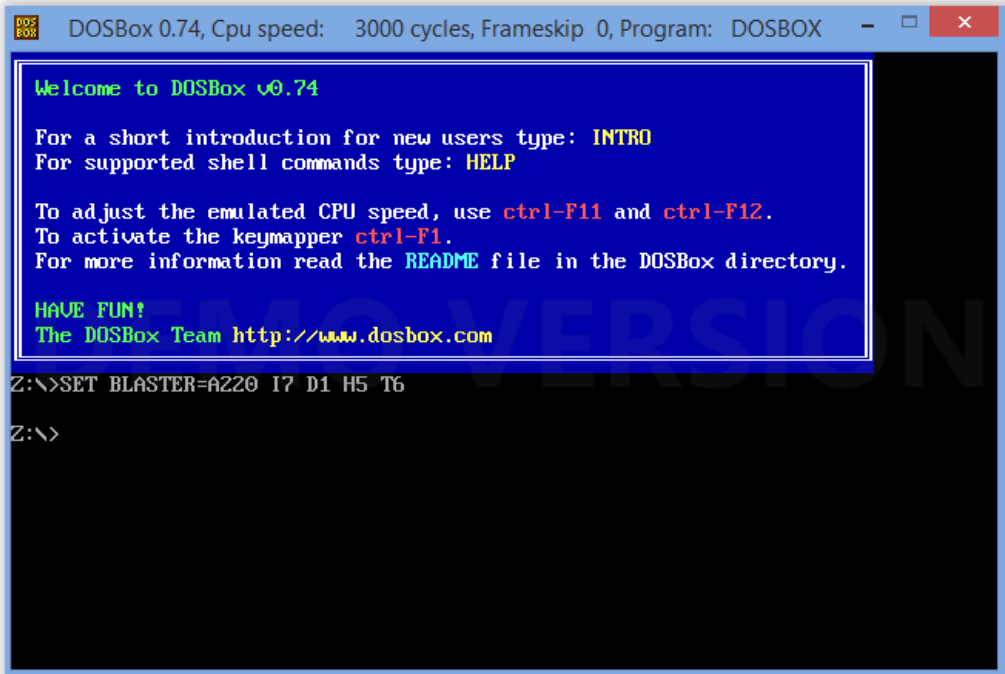


Running BIODIV on a computer using Windows.

Because the BIODIV software was written for DOS, a DOS emulator must be used. The DOSbox software is a convenient and free solution. It runs fine in 32 or 64 bit Windows 7, 8, and 8.1. In the text below the `Courier` font is used to indicate commands you enter within the DOSbox window.

First, double-click on the file you downloaded, enter the unlocking code, and then have it unzip into some convenient folder, such as `c:\biodiv`

Double click on the `DOSbox` icon and a small window will open as shown below.



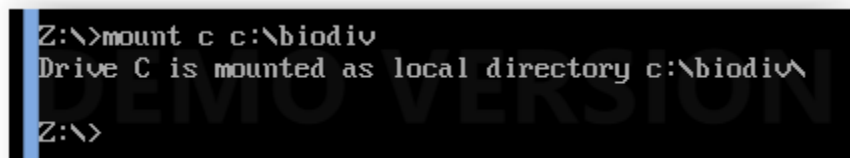
```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
Welcome to DOSBox v0.74
For a short introduction for new users type: INTRO
For supported shell commands type: HELP
To adjust the emulated CPU speed, use ctrl-F11 and ctrl-F12.
To activate the keymapper ctrl-F1.
For more information read the README file in the DOSBox directory.
HAVE FUN!
The DOSBox Team http://www.dosbox.com
Z:\>SET BLASTER=A220 I7 D1 H5 T6
Z:\>
```

It shows that you can type `intro` or `help` to get more information. There is also a `readme` file.

First you have to tell it where the `biodiv` program is and your data files. To do this type:

```
mount c c:\biodiv
```

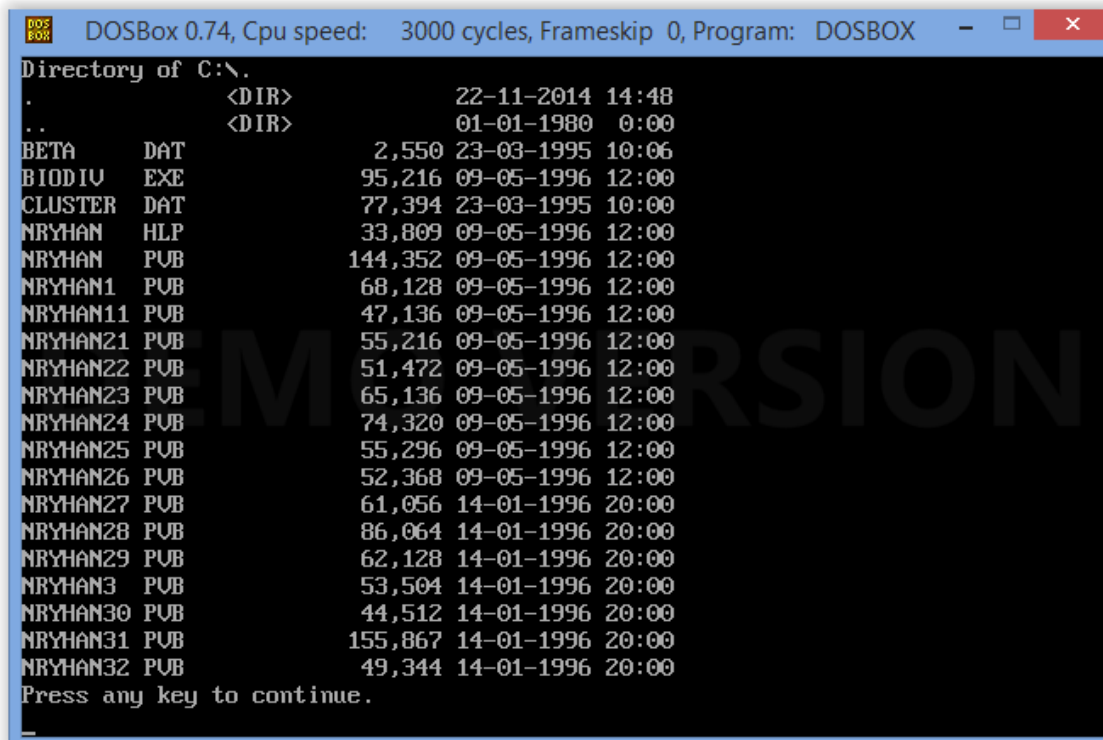
The “`c`” can be any letter you choose except `z` (because that is already used by the `DOSbox` program). The “`c:\biodiv`” is whatever directory where you downloaded and unzipped the program and want to use by `biodiv`. You can use whatever folder you wish.



```
Z:\>mount c c:\biodiv
Drive C is mounted as local directory c:\biodiv\
Z:\>
```

Then type `c:` to change to that directory you just mounted. Note that within `DOSbox` the “`Drive C:`” is an emulated hard drive. It is not the same as your drive `C:` in windows unless you told it to `mount c c:\`. You could also tell it to `mount d c:\biodiv` and then you can pretend that the software is on a drive `D:` (but then you will need to type `d:` to change to the directory where the `biodiv` files are located).

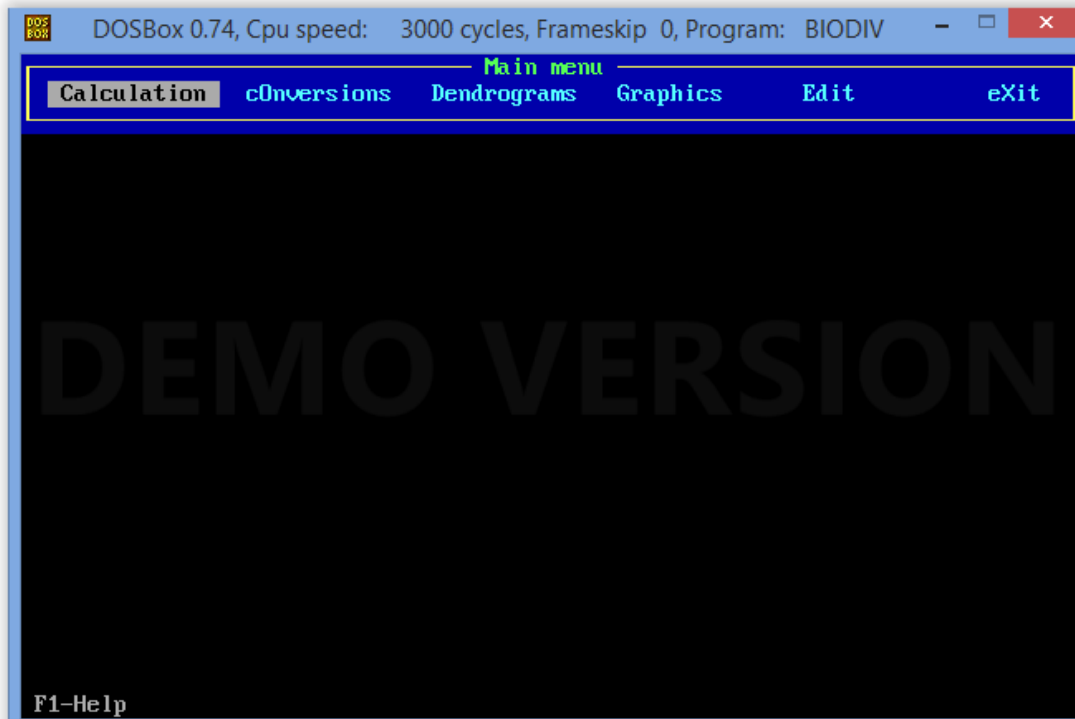
You can now enter DOS commands such as `dir` to get a display of the names of files in the current directory. If there are too many files so the list scrolls off the screen you can type `dir /p` and it will display just a page (screen) at a time.



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
Directory of C:\.
.          <DIR>          22-11-2014 14:48
..         <DIR>          01-01-1980  0:00
BETA      DAT             2,550 23-03-1995 10:06
BIODIV    EXE            95,216 09-05-1996 12:00
CLUSTER   DAT             77,394 23-03-1995 10:00
NRYHAN    HLP             33,809 09-05-1996 12:00
NRYHAN    PUB            144,352 09-05-1996 12:00
NRYHAN1   PUB             68,128 09-05-1996 12:00
NRYHAN11  PUB             47,136 09-05-1996 12:00
NRYHAN21  PUB             55,216 09-05-1996 12:00
NRYHAN22  PUB             51,472 09-05-1996 12:00
NRYHAN23  PUB             65,136 09-05-1996 12:00
NRYHAN24  PUB             74,320 09-05-1996 12:00
NRYHAN25  PUB             55,296 09-05-1996 12:00
NRYHAN26  PUB             52,368 09-05-1996 12:00
NRYHAN27  PUB             61,056 14-01-1996 20:00
NRYHAN28  PUB             86,064 14-01-1996 20:00
NRYHAN29  PUB             62,128 14-01-1996 20:00
NRYHAN3   PUB            53,504 14-01-1996 20:00
NRYHAN30  PUB             44,512 14-01-1996 20:00
NRYHAN31  PUB            155,867 14-01-1996 20:00
NRYHAN32  PUB             49,344 14-01-1996 20:00
Press any key to continue.
```

Type `help` to get a short list of available commands. Type `help /all` to get a full list.

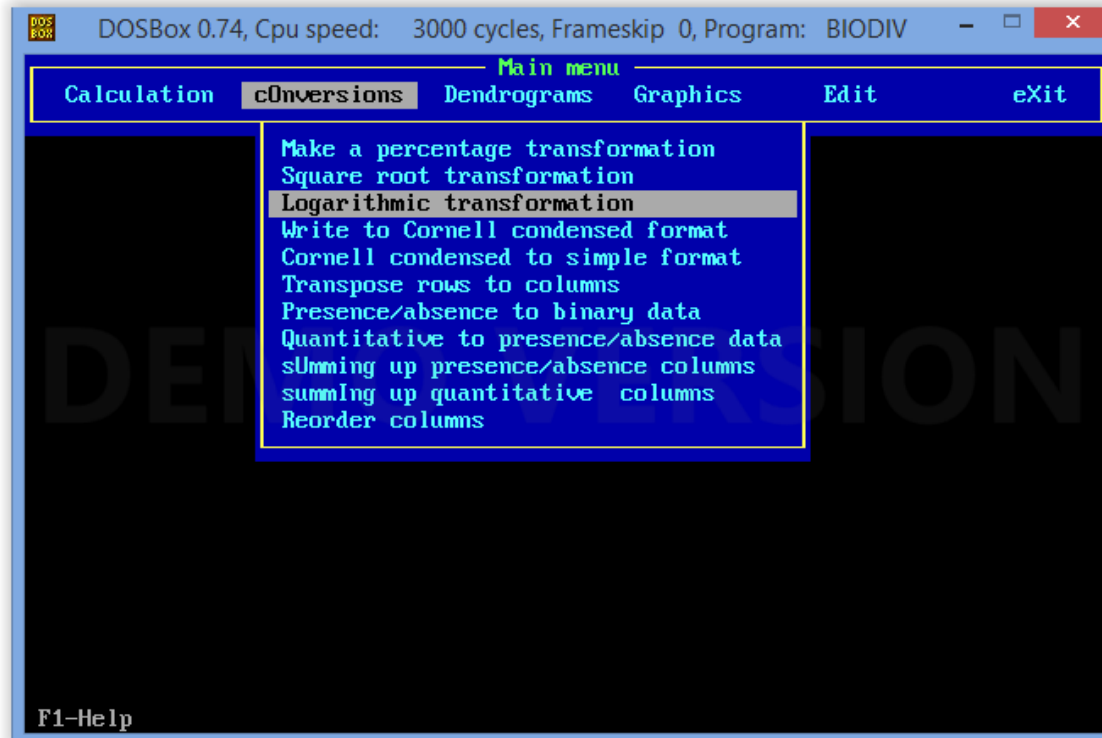
Then type `biodiv` to run the program. A “splash screen” should appear briefly showing the name of the program, etc. Then a menu should appear at the top of the DOSbox window.



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: BIODIV
Main menu
Calculation  cOnversions  Dendrograms  Graphics  Edit  eXit
DEMO VERSION
F1-Help
```

Enter `exit` or just click on the x in the upper right of the window to close the DOSbox window.

Use the cursor keys to move between choices and then press the enter key to show the submenus. Press the ESC key to exit a submenu. An example is shown below.



To exit DOSbox you can either enter `exit` or just click on the red x to close the window.