1. In Prefered Directory (e.g.: ~/DOI), download software from:

a) NSGA2 software:

In google type: kalyanmoy deb michigan (first link)

From menu on the left, access "Source codes":

Multi-objective NSGA-II code in C, Revision 1.1.6

b) Hypervolume software:

In google type: fonseca hypervolume (first link)

Download version 1.3 -> source code

c) Moodle platform of Current Course:

NSGA2 Computer Work - Source Code - Modifications (3 files: global.h, nsga2r.c, report.c)

2. Install and prepare software for execution:

a) Uncompress both .tar.gz files with the command:

tar -xvzf archivo.tar.gz

b) In hv directory, create executable file hv, and copy to nsga2 directory:

make

cp hv ../nsga2-gnuplot-v1.1.6

c) copy modified subroutines in nsga2 directory, e.g.:

cp global.h nsga2-gnuplot-v1.1.6/global.h

cp nsga2r.c nsga2-gnuplot-v1.1.6/nsga2r.c

cp report.c nsga2-gnuplot-v1.1.6/report.c

d) In nsga2 directory, create executable file nsga2r

make

(If subrutine is changed, then required to create executable file again:

1) make clean, 2) make)

e) How to use software, read file: Readme ; .in files in directory input_data

f) How to modify fitness function: modify file problemdef.c