

F4Performances

How to install the program.

First of all, this program will work only with Falcon4 updated with the F4UT SP2 patch. Unzip the F4Performances. Zip file into a temporary directory, then run the setup.exe installation program. Then inside the Falcon4 directory look for the Simdata.zip file inside the Zips directory. Open it and export all the *.dat files that refer to aircraft inside the program directory or in a subfolder of it. Note that all the aircraft dat files have a default installation directory named ACDATA, so you could unzip the file into a temporary directory, then cut and paste only the ACDATA directory into the F4Performances program one and delete the other directories you created when unzipping the Simdata.zip file. This way you will be sure to have every aircraft in Falcon4 SP2 database available to compute. Once you have done this, you can launch the program.

How to load an aircraft.

Simply use the menu and point to a *.dat file. So if you're looking for F16 performances, select the file F16.dat. Once you load the aircraft, the computer will show some info about it that it finds in the file itself.

What does the program compute?

Simple it computes by default the Fuel Flow for given altitude, speeds and configuration. The program shows two grids. In the first you will always see the FuelFlow, in the second you can choose between Lbs of fuel required for every NM (default), True Air Speed or Mach Number, it's up to you. The configuration is customizable. To have everything easier, I assumed that AAM is a AMI120, AG Missile is an AGM65D, Iron is an MK82, Cluster is an CBU-52, ECM pod is the ALQ131, Fuel Tank is the standard 370 USG. There are few approximations as you can see, but they are so little that you can have correct values.

How does the program compute the values?

Simply, it uses the same formulas Falcon4 does, so you should get the same value you read inside the cockpit.

What are all those colors?

Check the legend, it gives you if the a/c is supersonic and if it's required the AB. Remember that those are the values for level unaccelerated flight.

How to get in contact with me.

If you want to get in contact with me, just send a mail to spieg@amvi.it or post into the "Libera Uscita" forum in the AMVI site (www.amvi.it but you already know it) or post into the Italian newsgroup for flightsims. (it.comp. something .simulatori.volo). Please if you are writing me remember to attach the file that created you problems. In case the installation utility gives you a weird message, please write it down, it's in Italian, so you may not understand it, but I do) In case of problems with graphics send me also infos about your screen resolution, icons size, text size (small letters, big letters) and everything you think could be related to the problem.

Enjoy Falcon4 and SP2.

Special thanks to:

Julian "Codec" Onions for his patience and calm when I continuously jumped on ICQ to ask how Falcon4 computes lift, drag, thrust and fuel flows.

Tom “Saint” Launder for his effort in the FM management Team in F4UT and FalconSuperPACK2 project.

Ed. Williams For his [Aviation Formulary](#) web site.