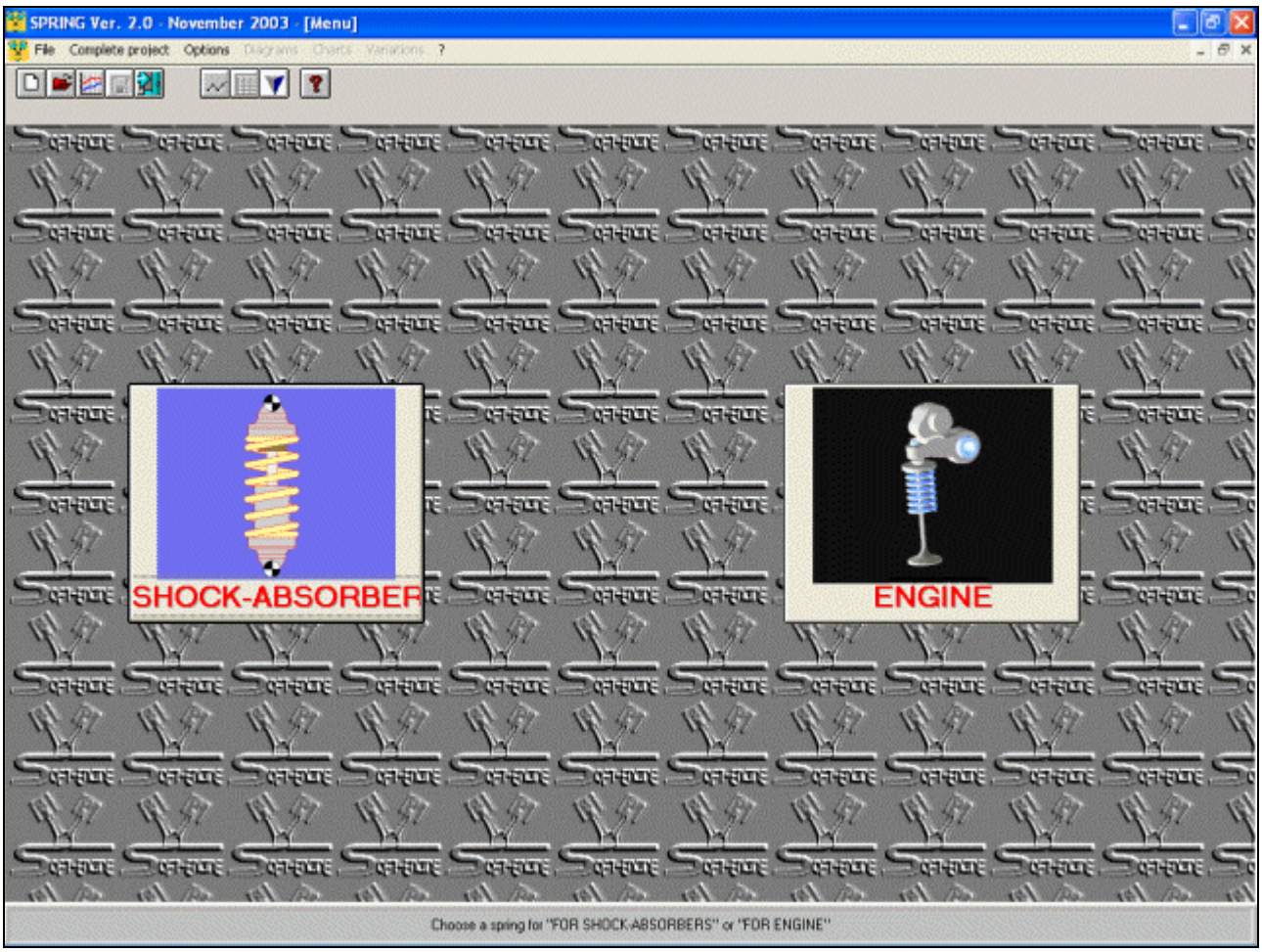
Soft-Engine - Software Spring 2.0

Main features

SPRING 2.0 is a very professional **software** by **Soft-Engine**, WINDOWS© environment, having a friendly graphic interface.
This software is about the project and analysis both **shock-absorbers** and **valves springs**.
Obviously, for valve springs it's possible to choice **single spring** or **double spring** computing.

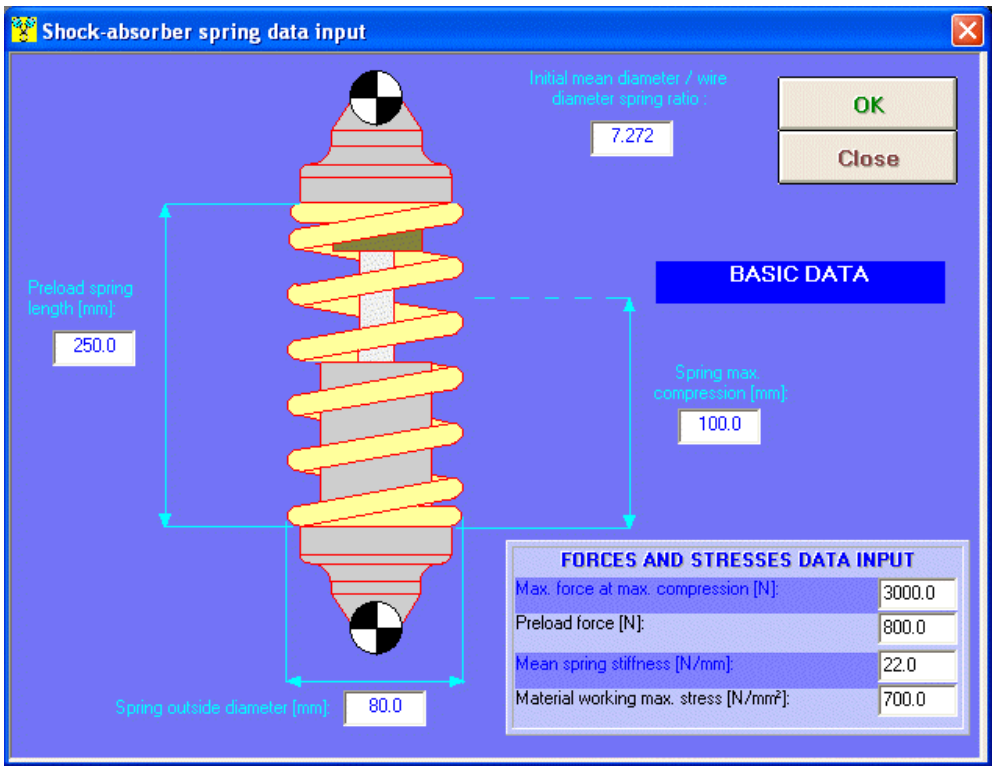


The main window

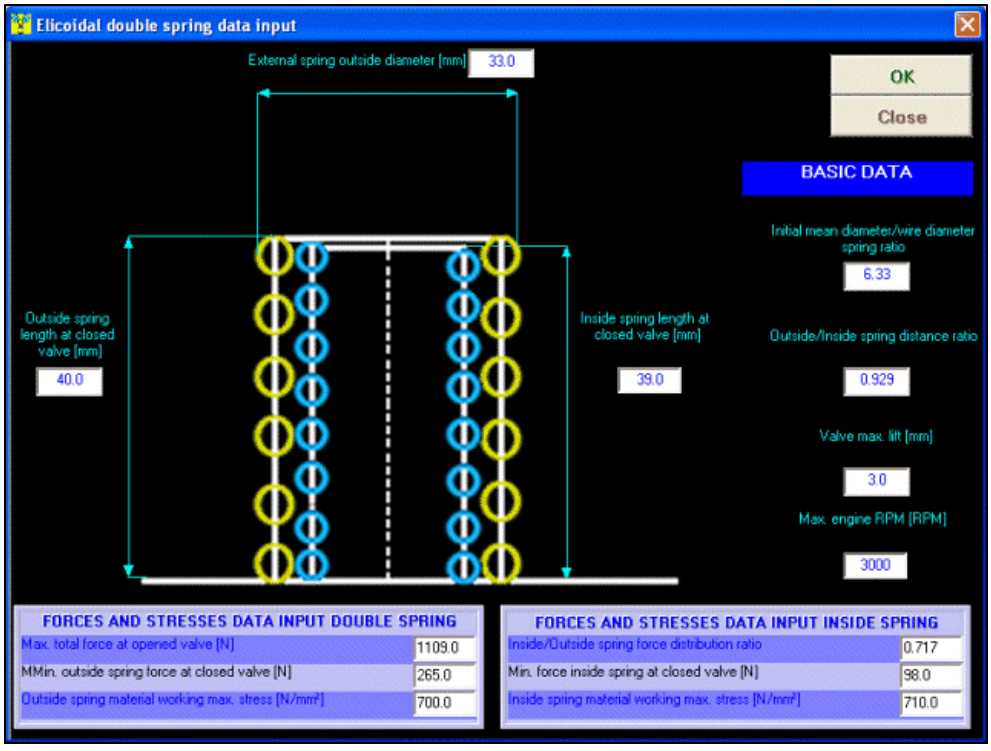
Data input

Tipically, software data input are:

- **Free spring lenght**
- **Max. compression force**
- **Pre-loaded spring froce** (shock-absorber)
- **Stress** (closed valve, for engine valves)
- Stress (of work material, for shock-absorbers).



Data input window (shock-absorbers spring)

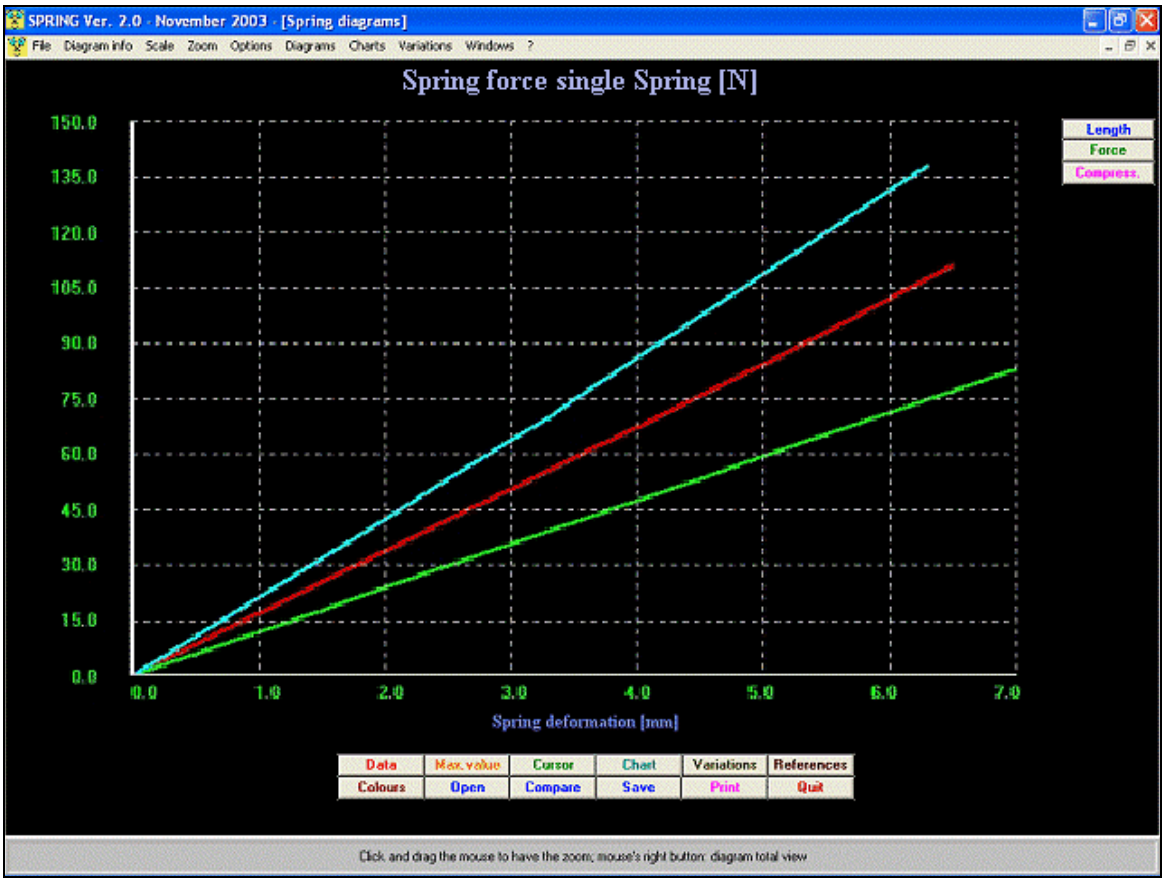


Data input window (engine spring)

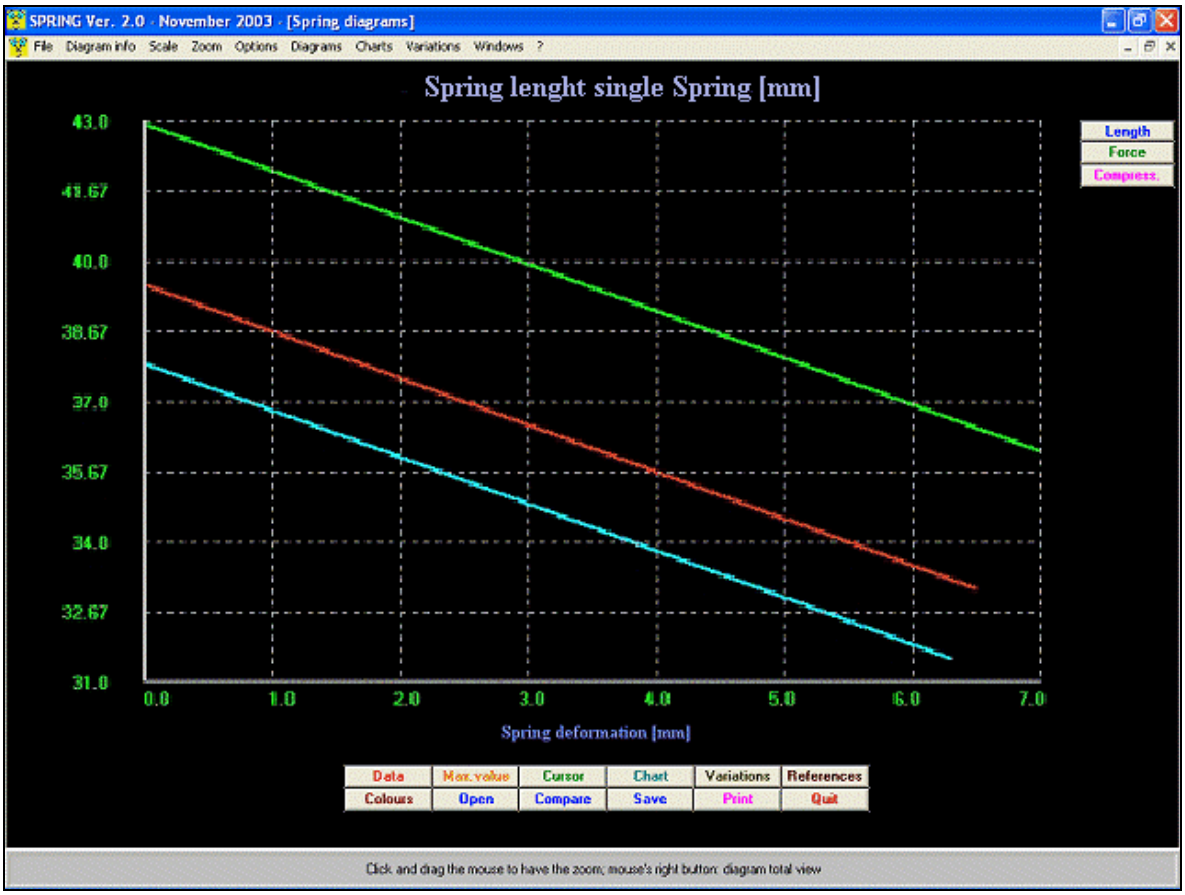
Results

Software give some diagrams and charts about these results:

- Spring lenght
- **Spring force**
- **Valve lift** (for engine springs)
- **Spring compression** (For shock absorbers).



Single spring force diagram



Single spring lenght diagram

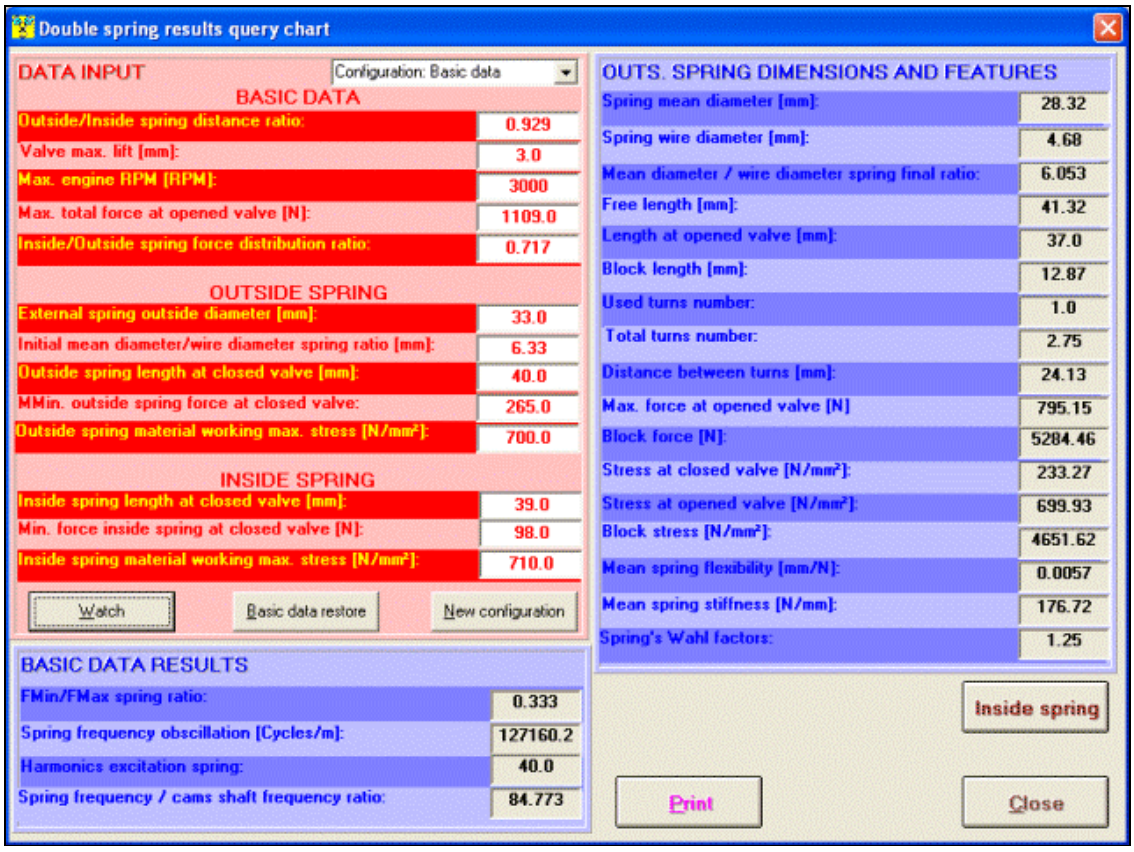
Results analysis

Suitable query reports show some interest data, like **block forces and stresses**, **Whal factor**, **number of coils** or **harmonics of excitation**. You can vary input data in these query reports to study how projected spring change its features (option: variations). The input data modifications can be saved in another "data configuration", so you can compare the results about different swet of data, conresponding to different springs.

SPRING 2.0 has got a powerful form for diagram visualization. Options are:

- **diagram cursor** to read all diagram value step by step;
- **max values** visualization
- **zoom**
- **printings**
- all software options are available by this form
- diagram and backgrounds management
- X and Y axis management

Finally, this software allows a complete save-open file management, and a **link** with the most recent versions of software **SUSPENSION** and **CAMS**.



Results query chart

Versions and costs

Version	Cost
Spring 2.0 W	€ 95.00

PC minumum configuration

Feature	Description
Processor:	Any personal computer IBM compatible.
System:	Windows ME, NT, Xp, Vista, Seven, Eight, Ten - 32 or 64 bit systems.
Memory RAM and Hard Disk:	At least 512 MB RAM and 2 GB free in the hard disk (for best Windows performances).
CDrom or Dvdrom device:	Speed at least 52X.
Graphic card:	VGA, SVGA and compatible cards, set at least 32 bit, Min. resolution: 1024x768.
Miscellaneous:	Keyboard, mouse, at least 1 USB port free (to connect the printer).
Printer:	Any ink-jet printer. Total compatibility with laser printers.
Total compatibility with notebooks and cases minitower PC.	