Polaber – simple manual

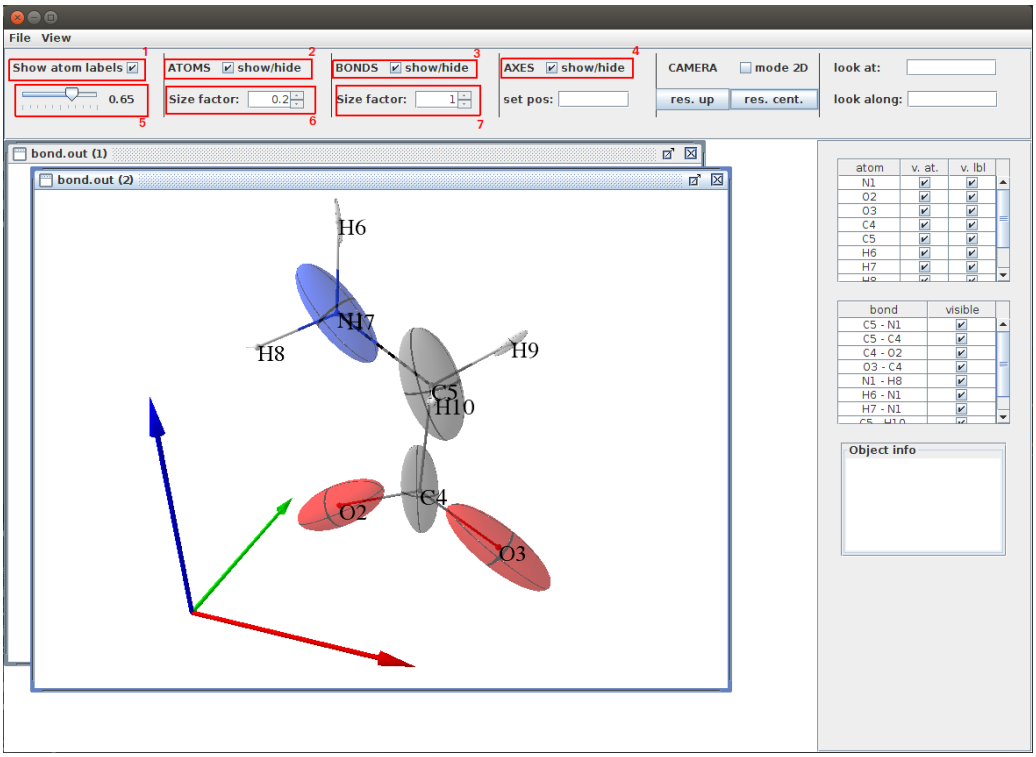
1 Importing and moving image

To load a file click on ***File*** then ***Import...*** and select a file with correct text input. Once the molecule appears in subwindow click on it to see menu panels.

To rotate the molecule up and down, and around *up* axis (z by default) click the *left* button of the mouse and move. Center click rotates the molecule around screen center in it's plane changing also *up* axis (it can be reset with ***res. up*** button). Right click allows to move molecule in screen's plane.

2 Visibility, transparency and resizing

To hide or show groups of elements unselect or select the appropriate square, as has been shown on the figure: 1 – for atom labels, 2 – for ellipsoids, 3 – for bonds and 4 – for axes. With the slider (5) it is possible to change the opacity of ellipsoids. Spinners marked as 6 and 7 allows to change size of ellipsoids and thickness of bounds.



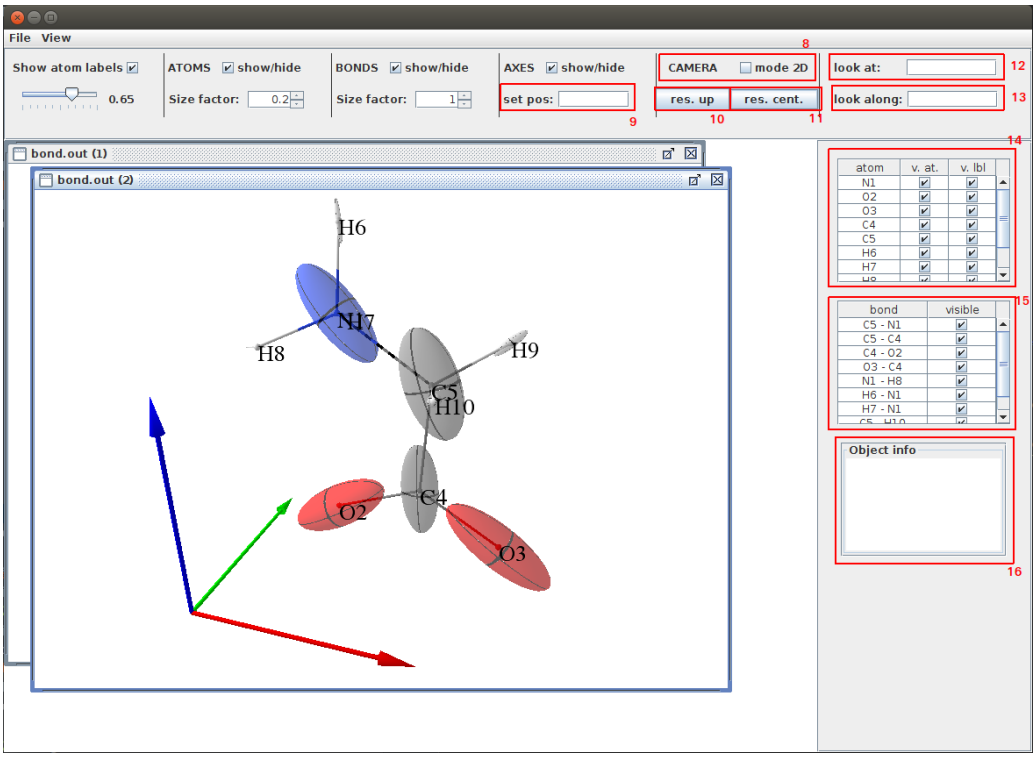
3 Axes and camera

Position of main axes can be set with a box (8) by giving a new position. Possible inputs are coordinates (with point as decimal delimiter, and commas, semicolons or just paces between next coordinates), or names of atoms from this molecule.

Camera has 2D mode that removes perspective. It could by turn on by selecting box described as "mode 2D"(9). Because center of camera rotations and *up axis* could be change it is possible to set the default parameters with ***res. up*** and ***res. cent.*** buttons (10, 11).

View of the camera could be also set by ***look at*** (12) frame. It allows to set exact point camera will look on by giving it's coordinates the same way as it was with setting axes position. It is also possible to look at the plane specified by three atoms separated with commas, semicolons or spaces. Direction of camera is determinated by parity of permutation of sequence of given atoms. ***look along*** frame is for setting camera along an direction.

Once again direction can be set by three coordinates or names of two atoms (not necessarily connected with a bond).



4 Right panel

Right panel allows to show and hide specific ellipsoids, labels or bonds. To hide an atom unselect correct box from atom table (14) form ***v. at.*** column. To hide a label unselect box from ***v. lbl*** column of the same table. Bond table (15) contains boxes to hiding bonds. Every time when a row from any table is clicked simple informations about the object (bond or atom) appears in ***Object info*** window (16).

5 More

Program allows to open many windows with different molecules. All manipulations of background window will be stored and will instantly appear again after selecting it.

Export present view to **.png* format could by done by ***File*** then ***Export as png***.