

Context help in Bioclipse

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Abstract

The Eclipse Rich Client Platform (RCP) is very powerfull, and takes a lot of architectural things of your hand when developing a bio- and chemoinformatics GUIs. Bioclipse is based on it. One thing the RCP offers is a Help View which works with plain (X)HTML files, and one neat feature is the context help. It is help shown in the Help View when one focused on a specific GUI element.

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The [Eclipse Rich Client Platform \(RCP\)](#) is very powerful, and takes a lot of architectural things of your hand when developing a bio- and cheminformatics GUIs. [Bioclipse](#) is based on it. One thing the RCP offers is a Help View which works with plain (X)HTML files, and one neat feature is the context help. It is help shown in the Help View when one focused on a specific GUI element.

As an example, the below figure gives the context help for the JmolView in the [Jmol](#) plugin ([bc_jmol](#)) plugin for Bioclipse:

The screenshot displays the Bioclipse application window. The main Jmol View shows a 3D ribbon representation of a protein structure (1SPX.pdb) with atoms colored by element (carbon in pink, oxygen in red, nitrogen in blue). The BioResource Navigator on the left lists various files, with 1SPX.pdb selected. The Help View on the right, titled 'Related Topics', provides context help for the Jmol View, including 'About Jmol View' and 'Dynamic Help' sections. The console at the bottom left shows the Jmol script commands used to render the structure. The Properties View at the bottom right displays the CDK properties for the selected structure.

Property	Value
Atom count	1904
Bond count	1779
File format	Protein Brookhave Database (PDB)
Formula	C1090N297O513S4
Mass	25572.09
Natural mass	25588.164
SMILES	N/A

On the right side of the Jmol view (showing [1SPX](#)) is the Help View, showing the context help for the Jmol View pointing to the 'Jmol Script Commands Reference'.