

Molecular Modeling with MacMimic.

MacMimic is a computer application for displaying, building and comparing molecular structures. An authentic implementation of the state of the art molecular mechanics program MM2(91) is included.

About the MacMimic demo.

The MacMimic demo is the same as the full version with the following exceptions:

The demo does not include MM2(91) and it can only Save, Copy and Print structures with a total of ten atoms.

A short introduction to MacMimic.

MacMimic can handle structures with up to 32000 atoms. Both stick, ball-and-stick and dot surface models can be continuously and interactively rotated and scaled. Bond lengths, angles, and dihedral angles can be measured and changed in real-time. Color is used to indicate atom type, but individual atoms or whole structures can be painted in other colors. MacMimic provides both black and white and color printing.

MacMimic has a powerful structure editor which can create new and modify existing models. A set of substituents is available from a palette to make instant substitutions of any monovalent atom. Any two models can be joined (substituted) or fused to create for example spiro compounds or complex ring systems. Structures can be imported from the Brookhaven Protein Database as well as from the Cambridge Crystallographic Database.

Structures can be compared by superimposition. Up to eight structures can be superimposed (RMS fitted) simultaneously.

MM2(91) (not included in the demo) has batch facilities, and can be run as a background task. All computational options of MM2 such as dihedral drivers or restricted motion, can be accessed through an interactive input interface.

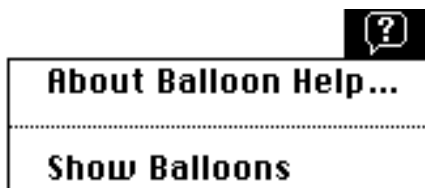
Hardware and Software requirements.

MacMimic runs on Macintosh II and Macintosh Quadra computers. MacMimic is designed for 256 color monitors and requires 32-bit Quickdraw and System Software 6.0.5 or newer. However, any monitor can be used as long as your Macintosh has 32-bit Quickdraw.

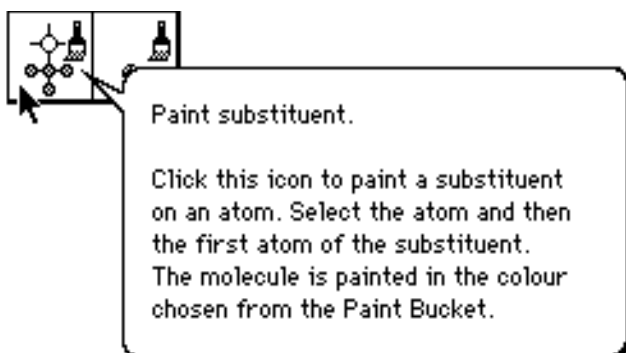
MacMimic is System 7 friendly:

MacMimic has new color Icons, supports the standard Apple Events, supports Alias Documents and Stationery Pads.

MacMimic provides on line Balloon Help when you use System Software 7.0 or newer. All Palettes, Menus and Menu items, and all non trivial dialogs has Balloon Help. Choose **Show Balloons** from the **Help** menu to activate Balloon Help.



You may now point to items on the screen to see Help Balloons.



How to order MacMimic.

MacMimic is distributed by:

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MacMimic/MM2(91), version 2.0 has a price of US \$1500

For academic users the price is US \$1000

Educational institutions may now purchase MacMimic at a discounted price for the exclusive use in courses. The price is US \$1000 for three copies of MacMimic including one User's Guide. Extra copies of MacMimic costs US \$300, and additional User's Guide costs US \$30 each.