WAVEFUNCTION

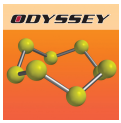
ODYSSEY for the iPad

States of Matter
Comparing Solids, Liquids, and Gases

Intermolecular Forces
Why Do Molecules Form Liquids and Solids?

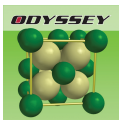
Water at the Molecular Level
Examining the Medium of Life

Ionic Bonding
How Do Ions Form Compounds?

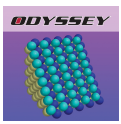


Chemical Elements
Molecular Structure and Dynamics Across the Periodic Table

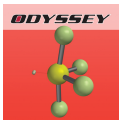
Polar Bonds and Molecules
What is the Distribution of Charge?



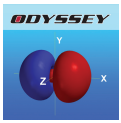
Ionic Solids
Fundamental Structure Types



Crystal Surfaces
Elemental Low-Index Surfaces at Atomic Resolution



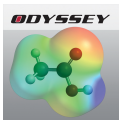
VSEPR Theory
Predicting Molecular Shapes



Atomic Orbitals
Where Are the Electrons in Atoms?

Common Substances
Introduction to the Molecular Level

Multiple Bonds and Resonance
How Close to One Another Are the Atoms in Molecules?



Functional Groups
Classifying Organic Molecules

Electron Sharing
What Do Covalent Bonds Look Like?

Basic Crystal Lattices
Elemental Metallic and Network Solids

Minimum Requirements

iPad 2 or higher, iOS 7 or higher

Included with Each App

- A set of fully **3D** models that can be inspected at any orientation and zoom level
- Transparent, mesh, and solid styles for **electron density** (where applicable)
- Molecular dynamics **simulation** capability (selected models)
- Multiple-choice **questions** for self-assessment, **comments**, and **glossary**

Pricing

Volume Purchase Program (20 iPads or more)	$1.99 (per app)
Individual App	$3.99 (per app)

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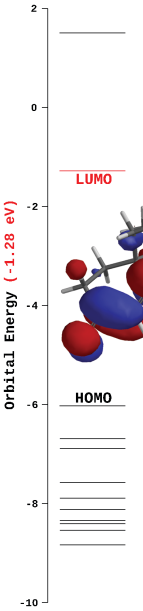
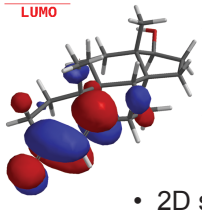
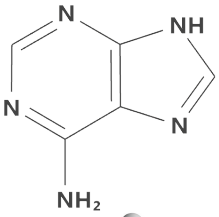


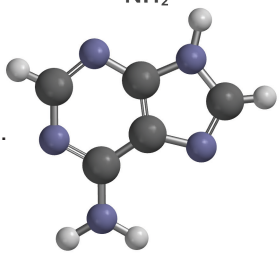
iSpartan



- A versatile app for molecular modeling on the iPad, iPhone, and iPod Touch.
- For researchers, educators, and students.



- 2D sketching with auto conversion to 3D molecular structure.
- Calculated spectra and properties for > 5,000 molecules in local database.
- Optional remote submission to ***Spartan Parallel Suite*** (available from store.wavefun.com).

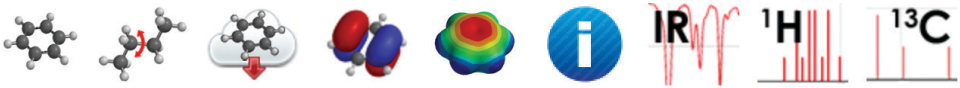


Available for Any Structure

- Equilibrium conformer
- Energy diagram
- R/S chirality
- Log P
- Conformer distribution
- Molecular weight and volume
- Total surface area and polar surface area
- Distances, angles, and dihedral angles

Available for > 5,000 Molecules in Local Database

- NMR Spectrum
- Thermochemistry
- Infrared Spectrum
- Orbitals and Electrostatic Potential Maps



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