



# Quantum Mechanics For Organic Chemists

*Howard Zimmerman*

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## **Quantum Mechanics For Organic Chemists** Howard Zimmerman

Quantum Mechanics for Organic Chemists is based on the author's first-year graduate course on quantum mechanics for Organic Chemistry majors. The book not only makes a gradual transition from elementary to advanced, but also tries an approach that allows students to have a more intuitive learning.

The book covers concepts in quantum physics and topics such as the LCAO-MO Huckel Approach; group theory; and extensions, modifications, and applications of the Huckel approach. Also included in the book are the areas of three-dimensional treatments; polyelectron wave functions; the Slater determinant; and Pople's SCF equations.

The text is recommended for graduate students of organic chemistry who would like to know more about the applications of quantum mechanics in their field. Quantum physicists who are interested in the field of organic chemistry would also find the book appealing.

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