

# Quantum Theory Of Atomic Structure - Vol 2

By J C Slater



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theory of Professor John C. Slater. Slater joined the Quantum  
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J.C. Slater; Quantum Theory of Atomic Structure. Unified analytical treatment of one-electron two-center integrals with noninteger  $n$  Slater-type orbitals.

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In atomic structure theory, and himself) set in the old quantum theory of in 1928 J. C. Slater and J. A. Gaunt independently showed that the Hartree method

Slater, J.C.: Quantum theory of atomic structure, Vol. I, Semiempirical SCF theory with scaled Slater orbitals Journal Theoretica chimica acta Volume 22,

Martin and Reissner: Elementary Differential Equations/Moon and Spencer: Mathematical Programming/Slater: Quantum Theory of Atomic Structure/Szab :

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J.C. Slater, Quantum Theory of Atomic Structure, Vol. 2 (McGraw-Hill, New York, 1960).

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References from the article On the momentum representation of Slater-type orbitals. Slater J C 1960 Quantum Theory of Atomic Structure vol 1 (New York, Toronto

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but the quantum theory remains theory only in the limit of large quantum numbers. The Bohr-Kramers-Slater Atomic and Molecular Structure:

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