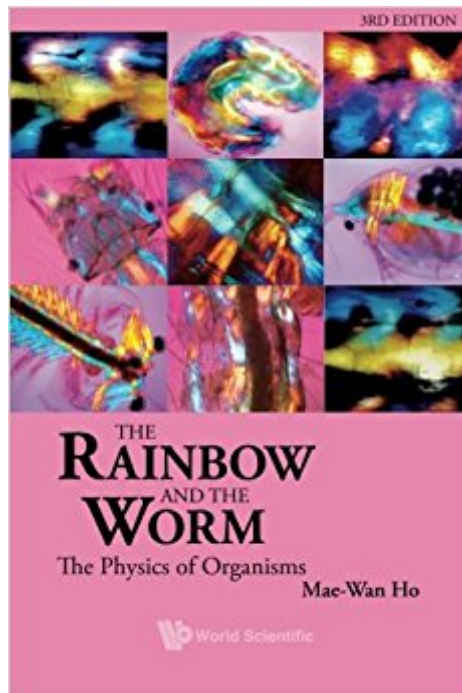




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The Rainbow And The Worm: The Physics Of Organisms



Synopsis

This highly unusual book began as a serious inquiry into Schrödinger's question, "What is life? ", and as a celebration of life itself. It takes the reader on a voyage of discovery through many areas of contemporary physics, from non-equilibrium thermodynamics and quantum optics to liquid crystals and fractals, all necessary for illuminating the problem of life. In the process, the reader is treated to a rare and exquisite view of the organism, gaining novel insights not only into the physics, but also into "the poetry and meaning of being alive." This much-enlarged third edition includes new findings on the central role of biological water in organizing living processes; it also completes the author's novel theory of the organism and its applications in ecology, physiology and brain science.

Book Information

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Customer Reviews

"The layman may not understand half of this book, but he will understand more than he expects to or may feel he has any right to. The author, whether discussing 'quantum-entanglement', or 'energy-flow', 'dynamic order' or life as 'collective response to weak signals', has the gift of making the reader dream." --This text refers to an out of print or unavailable edition of this title.

"The book is recommended to all scientists who are interested in understanding life. It shows that life is more than a complex chemical reaction and, written by an author who understands life not only through the narrow tube of our ratio, that life is worth living with loving care. The book can be easily understood, because it is written in a way that the basic scientific terms are repeated step by step before they are used for discussing the essential questions. Fifty years after Schrodinger's

"What is Life?", this book is a worthy instalment, since it intensifies the original matter of Schrodinger." --This text refers to an out of print or unavailable edition of this title.

One of the most amazing books of my life. This book is such a thorough investigation of living organisms and what it is to be alive. Mae-Wan Ho has an incredible ability to explain complex physics concepts in concise and clear sentences. I have a degree in physics, I think it would be quite difficult to follow without a science education but she explains many topics with much more clarity than most of my university lecturers did. I would highly recommend it to any physics student interested in biology and vice versa.

Unbelievably good work. Absolutely astounding.

I may change that to "I love it" when I read it to the end. It is intellectually very challenging. Were I a physical chemist like my late father, I would find it easier going. But I understand and appreciate the author's radical yet profound scientific vision, which avoids reductionism and exhibits a profound insight into the analogies that operate at multiple levels of objectively intelligible reality, from subatomic entities to the biosphere and beyond.

reading over, and over again and will give comment after last reading. "To arrive at the truth, once in your life you have to rid yourself of all the opinions that you have received and reconstruct a new foundation, from all the systems of your knowledge" Rene Descartes

Excellent Book.

Dr Ho has opened my eyes on the true nature of Water, Water is Life, if it is vibrant. thanks Dr. Ho.

Interesting

not an easy read. more for a physicist. boring to read but useful for research or technical knowledge. only for the well educated

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