Marro





PHYSICS, NATURE AND SOCIETY

This wide-ranging and accessible book serves as a fascinating guide to the strategies and concepts that help us understand the boundaries between physics, on the one hand, and sociology, economics, and biology on the other. From cooperation and criticality to flock dynamics and fractals, the author addresses many of the topics belonging to the broad theme of complexity. He chooses excellent examples (requiring no prior mathematical knowledge) to illuminate these ideas and their implications. The lively style and clear description of the relevant models will appeal both to novices and those with an existing knowledge of the field.

This interdisciplinary book will benefit everybody trying to understand whether evolution and ethics are unique to Earth, or whether they are built into the fabric of the universe.



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Currently on the faculty of Granada University, Joaquin Marro earned a Ph.D. in theoretical physics (Barcelona, 1972) and a second one in computational physics (New York, 1975). He has authored or coauthored several books and near 200 research papers on statistical physics and on the creative use of computers, and has served in several international committees. He cofounded the Institute "Carlos I" for Theoretical and Computational Physics, and founded the biennial conference "Granada Seminar".

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A Guide to Order and Complexity in Our World

