

The Quantum Quark



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The world you can feel and touch is built of atoms, the smallest identifiable chunks of matter. Yet the heart of each atom is itself a whole new world, a world populated by quarks: indivisible, vanishingly small, the ultimate building blocks of our universe. This inner world where quarks reign is subject to new and unfamiliar rules, the rules of the quantum world. Colossal particle accelerators enable physicists to bring this inner world into focus, and have helped them shape a theory respectful of quantum rules that explains how quarks feel one another's presence. The Quantum Quark is the story of that theory: quantum chromodynamics.

作者介绍:

安德鲁·华生是一位自由职业的科学记者和作家。他在曼彻斯特大学拿到理论物理博士学位之后，继续研究和讲授物理。他现在是食物研究所（Institute of Food Research）的兼职科学家，同时也写作。他经常为《科学》杂志写文章。

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评论

昨天看复联突然想到这本书。以前学群论的时候，数学书上一直拿数字举例，导致我一直觉得非常晦涩难懂。后来想读量子力学博士的时候就去看相关的书，看到这本，用物体的运动和对称性来讲群论，立马就懂了。从宏观世界到微观世界，这些知识真是浪漫得很。每次都能救我于水火。以后如果有机会，还是想去念个天体物理相关的书，哪怕是退休了之后。

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书评

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