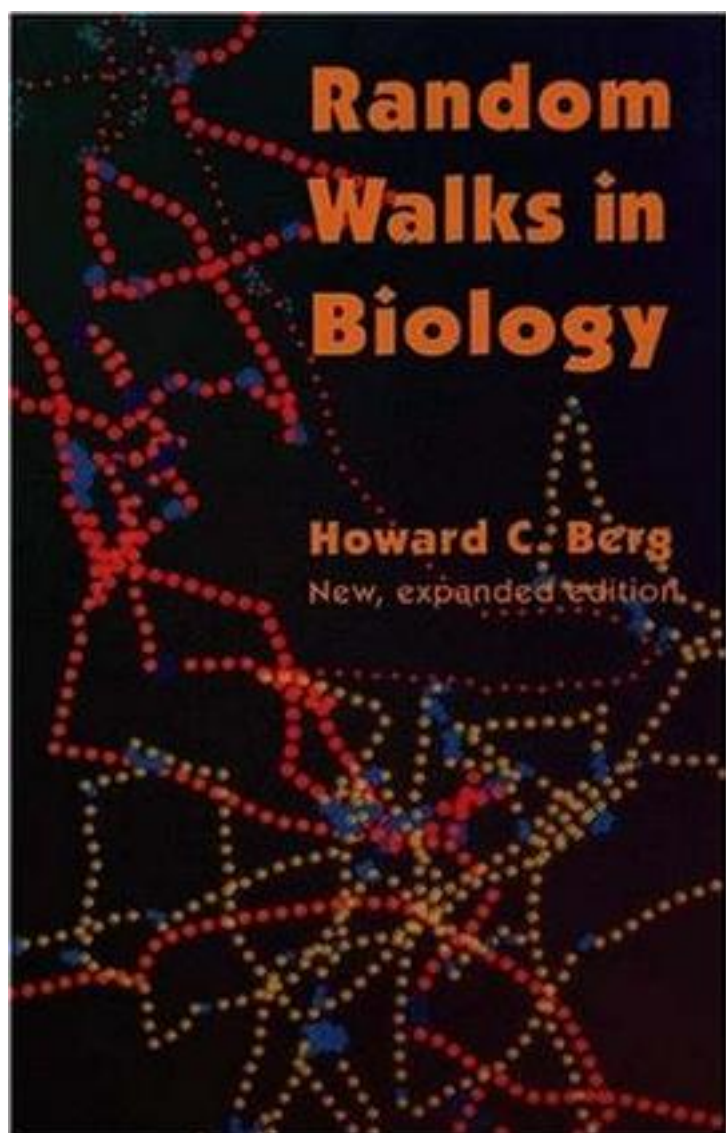# Random Walks in Biology

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著者:Howard C. Berg

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This book is a lucid, straightforward introduction to the concepts and techniques of statistical physics that students of biology, biochemistry, and biophysics must know. It provides a sound basis for understanding random motions of molecules, subcellular particles, or cells, or of processes that depend on such motion or are markedly affected by it. Readers do not need to understand thermodynamics in order to acquire a knowledge of the physics involved in diffusion, sedimentation, electrophoresis, chromatography, and cell motility - subjects that become lively and immediate when the author discusses them in terms of random walks of individual particles.

作者介绍:

目录:

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标签

物理

生物物理

生物

生物学

生命科学

物化

化学

Science

评论

还是写给学生物的人的书，很多段落有不少和实验相关的内容，自己推E.Coli的扩散系数还是很有趣的

好吧，虽然只有那这个做research的人才会觉得这本书有意思。毕竟作者算是我心中男神之一

很薄的一本书，但是内容真实醍醐灌顶，写得真精彩。从随机运动写到蛋白质的受体蛋白如何实现最高效率的分布，从物理的角度研究生物真是神来之笔。强烈推荐！

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书评

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