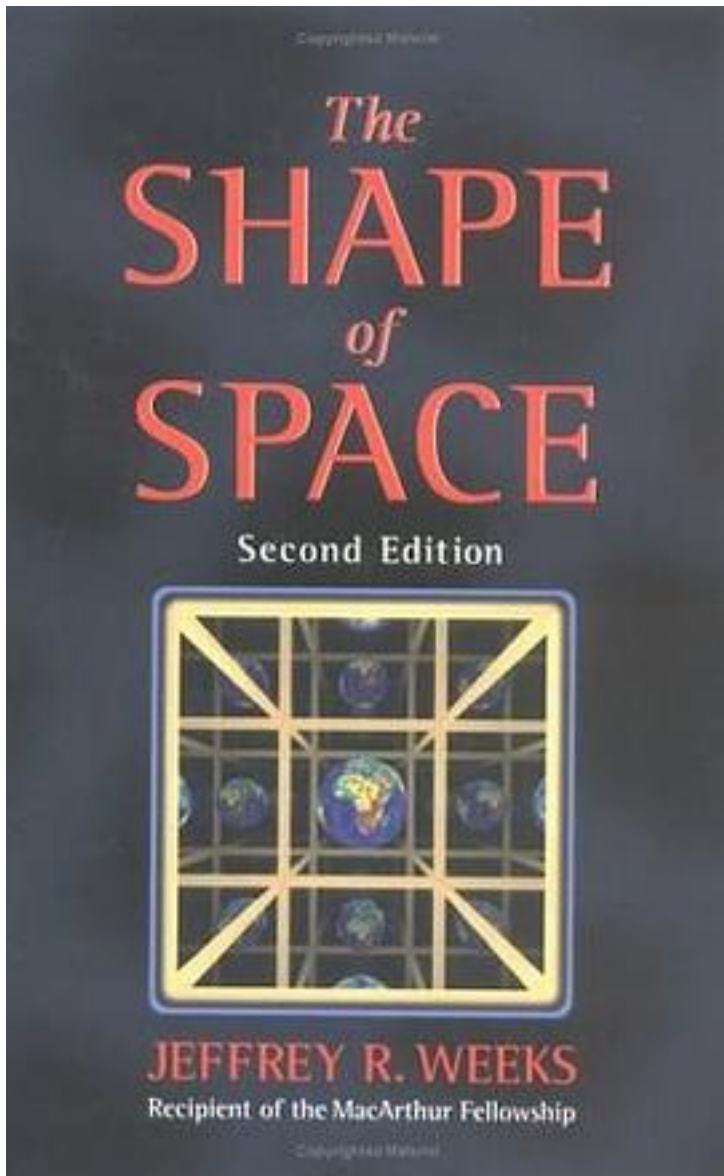


# The Shape of Space (Pure and Applied Mathematics)



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著者:Jeffrey R. Weeks

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Maintaining the standard of excellence set by the previous edition, this textbook covers the basic geometry of two- and three-dimensional spaces. Written by a master expositor, leading researcher in the field, and MacArthur Fellow, it includes experiments to determine the true shape of the universe and contains illustrated examples and engaging exercises that teach mind-expanding ideas in an intuitive and informal way. Bridging the gap from geometry to the latest work in observational cosmology, the book illustrates the connection between geometry and the behavior of the physical universe and explains how radiation remaining from the big bang may reveal the actual shape of the universe.

作者介绍:

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标签

数学

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topology

# 评论

读这本书让人觉得数学特别是低维拓扑是非常浪漫的。很适合低年级本科生或者是科普受众。

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解释得很浅，但仍弄不明

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最好一段时间读完 一搁就得从头再开始。很好地展现了拓扑的魅力。

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开头平面星人的故事萌萌的。中间对拓扑，微分几何的简单介绍够晒直观，但有些概念同佢地之间既联系未解释清楚。最后对宇宙形状的探讨令人眼前一亮，原来世界可以是这样的啊。

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# 书评

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