



How Surfaces Intersect In Space: An Introduction To Topology (2nd Edition) (Paperback)

By J. Scott Carter

World Scientific Publishing Co Pte Ltd, Singapore, 1995. Paperback. Condition: New. 2nd Revised edition. Language: English . Brand New Book. This marvelous book of pictures illustrates the fundamental concepts of geometric topology in a way that is very friendly to the reader. The first chapter discusses the meaning of surface and space and gives the classification of orientable surfaces. In the second chapter we are introduced to the Moebius band and surfaces that can be constructed from this non-orientable piece of fabric. In chapter 3, we see how curves can fit in surfaces and how surfaces can fit into spaces with these curves on their boundary. Basic applications to knot theory are discussed and four-dimensional space is introduced. In Chapter 4 we learn about some 3-dimensional spaces and surfaces that sit inside them. These surfaces help us imagine the structures of the larger space. Chapter 5 is completely new! It contains recent results of Cromwell, Izumiya and Marar. One of these results is a formula relating the rank of a surface to the number of triple points. The other major result is a collection of examples of surfaces in 3-space that have one triple point and 6 branch points. These are beautiful...



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Reviews

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An exceptional publication and also the typeface applied was fascinating to learn. It normally will not expense excessive. Your life period will be transform once you comprehensive looking over this pdf.

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