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Nota di contenuto	1. Topological spaces -- 2. Metric tensor -- 3. Differentiable manifolds. 3.1 Basic definitions. 3.2. Tangent vectors and spaces. 3.3. Parallelization -- 4. Metric dual -- 5. Tensors -- 6. r-Forms -- 7. Orientation of a manifold -- 8. Hodge star operator -- 9. Wedge product and cross product.
Sommario/riassunto	"This is a brief introduction to some geometrical topics including topological spaces, the metric tensor, Euclidean space, manifolds, tensors, r-forms, the orientation of a manifold and the Hodge star operator. It provides the reader who is approaching the subject for the first time with a deeper understanding of the geometrical properties of vectors and covectors. The material prepares the reader for discussions on basic concepts such as the differential of a function as a covector, metric dual, inner product, wedge product and cross product."