

# TOPOLOGY

*Meaning: Topology is a branch of mathematics concerned with the study of the properties of space that remain invariant under continuous transformations, as well as the arrangement and connectivity of elements within a network.*

1. Topology is a branch of mathematics that studies the properties of space that are preserved under continuous transformations.
2. The topology of the internet can be visualized through a network of interconnected nodes and links.
3. In computer science, understanding the topology of a data structure can significantly affect the efficiency of algorithms.
4. The professor explained how the topology of the earth influences climate patterns and ecosystems.
5. As a visual artist, she often explores the concept of topology through her intricate sculptures and installations.

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