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DEFINITION

TOPOLOGY, the, [tə-pöl'ə-jē], Greek: τόπος "place", "space", and λόγος "study", "word", "sense".
[1] PHILOSOPHY The theory of place, resp. field. In Japanese philosophy "basho" (Nishida). TOPIC The study of "topoi", "places", or "commonplace" in discourse (Aristotle, Topics, 5th Book of Organon, 4th c. BC); method of finding arguments. In disputes an element of formulating concepts: Science as the scientist's perception and opinion. Kant distinguishes between logical and transcendental topics, assigning all terms according to pure understanding or sensuality. TOPIQUER French: discuter.
[2] MATHEMATICS Study of spatial relationships; first used 1847 by Listing, form. "geometria situs" or "analysis situs" (Leibniz, Moebius). 1736, "Seven Bridges of Königsberg", illustrative example of a structure of moments of separation and connection in a space, resulting in Euler's polyhedron formula ($V-E+F=2$).
[3] MEDICINE The spatial arrangement of substructures of cells and organs. TOPICAL The local use of a medicine. **[4] LINGUISTICS** The syntax within a sentence. **[5] SOCIAL SCIENCES** TOPOLOGICAL TURN paradigm change in culture and social science that emphasises the geographic region as a cultural entity.
[6] ART Analogous to the distinction between icono-

graphy and iconology, in garden art not the mere description of a place, i.e. topography, but rather the systemic and conceptual meaning of artistically defined places, e.g. "locus amoenus", "locus terribilis" (Buttlar 2003). TOPIA landscape painting (Herder 1854). ARS TOPIARIA The ability to shape plants using special pruning techniques. **[7] DESIGN** Theoretical position and practical method of designing the contemporary landscape (Girot 2011). Often confused with topography: The description and surveying of a specific location. **(A)** Holistic view and arrangement of space as opposed to structural topology in engineering (spatial decisions follow technical functions); The orchestration of space through the use of the direct or indirect design disciplines under the primacy of the aesthetic; Correlation on all levels of scale based on a specific site. **(B)** Mastery of landscape architectural skills in dealing with soils, water, climate, plants, and dynamics based on a fundamental understanding of natural and spatial structures and traditional methods of design (symbolism, motifs, etc.). **TOPOLOGICAL SPACE** A space of arranged elements in which the necessity of linking often diffuse existing elements to form liveable structures using landscape architectural means is recognizable. **TOPOLOGIST** Adherent of → T.