Chain separatedness in a family covering space

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The paper gives a generalization of different kind of separatedness and chain separatedness of a family covering space i.e. a space that is more general than a topological space and it consists of a set and a family of coverings of the set. In these spaces, the notion of pair of chain separated sets is defined and their properties are presented. Other notions of topological spaces to spaces are also generalized, such as types of spaces (discrete, totally separated, totally chain separated, totally weakly chain separated etc.) and other notions such as an isolated point. Most of the claims and proofs in the paper are analogous to topological level. A number of statements are not analogous, are analogous just in one direction or cannot be generalized to the space level. Three examples for spaces are given, to be shown that three statements do not hold in the converse direction.