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Intermediate coverings and other aspects of generalized covering spaces

Abstract. (joint work with Hanspeter Fischer) Our proposition to generalize covering space theory to spaces that are not semilocally simply connected is based on the classical construction and guarantees the existence of generalized covering spaces, provided the fundamental group embeds into the shape group. The talk will firstly recall this fact from my talk in December last year. It will then point out, why this criterion is not sufficient to guarantee the existence of intermediate coverings. Other aspects of generalized covering spaces that might also be presented and motivated by examples include the universal property that characterizes these covering spaces, and to what extent the criteria for the existence of such covering spaces can be simplified, if the base space is first countable or if the fundamental group is countable.