

Algebra/Topology Seminar

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COMBINATION THEOREMS FOR NON-POSITIVELY CURVED GROUPS AND THEIR BOUNDARIES

Thursday, September 27, 2018
1:15 p.m. in ES-143

ABSTRACT. A combination theorem is a result which says when two groups in a given class can be combined to form a new group in the same class. I will introduce some results, both classical and modern, pertaining to combination theorems for negatively curved and non-positively curved groups. Then, given these constructions, one would like to know what else can be said about the new groups. I will approach this from the setting of boundaries and describe a combination theorem for building non-positively curved groups whose boundaries are path connected.