

**Horst Herrlich, Kyriakos Keremedis, Eleftherios Tachtsis**  
*Countable sums and products of Loeb and selective metric spaces*

Comment.Math.Univ.Carolinae 46,2 (2005) 373-384.

**Abstract:** We investigate the role that weak forms of the axiom of choice play in countable Tychonoff products, as well as countable disjoint unions, of Loeb and selective metric spaces.

**Keywords:** axiom of choice, weak axioms of choice, Loeb metric spaces, selective metric spaces, countable Tychonoff products of metric spaces, countable sums of metric spaces

**AMS Subject Classification:** 03E25, 54A35, 54D45, 54E35, 54E50, 54E99