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**Gábor Lukács\*** (lukacs@topgroups.ca), Halifax, NS , Canada. *On bornologies and monoidal closed structures.*

A *bornology* on a set  $X$  is an ideal of subsets of  $X$  that cover  $X$ . Examples of bornologies include bounded sets in metric spaces, relatively compact sets in topological spaces, precompact sets in uniform spaces, and equicontinuous sets in function spaces.

In this talk, we present classic and new results that use bornologies for constructing monoidal closed structures in categories of topological structures and topological algebras. (Received August 18, 2014)