

Open Problems in Algebraic General Topology*

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Abstract

This document lists in one place all conjectures and open problems in my Algebraic General Topology research which were yet not solved. This document also contains other relevant materials such as proved theorems related with the conjectures.

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Organizational info

Discuss these problems and their solutions in the [algebraic-general-topology](#) Google group.

See <http://www.mathematics21.org/algebraic-general-topology.html> for more details.

See also <http://filters.wikidot.com/open-problems> for open problems about filters.

Read <http://www.mathematics21.org/solvers.html> if you solved any of the below problems in order that I could nominate you for Abel Prize if I found your solutions worth it.

Misc

Conjecture 1. A retract f is monovalued iff

$$\forall g \in \text{RLD}(\text{Src } f; \text{Dst } f): (g \sqsubseteq f \Rightarrow \exists A \in \mathfrak{F}(\text{Src } f): g = f|_A).$$

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