

**Hernández-Gutiérrez, Rodrigo; Szeptycki, Paul J.**

**Some observations on filters with properties defined by open covers.** (English) Zbl 1349.54054  
*Commentat. Math. Univ. Carol.* 56, No. 3, 355-364 (2015).

In this paper the authors study covering properties of filters defined via the selection principles introduced in the paper by *W. Just* [*Topology Appl.* 73, No. 3, 241–266 (1996; [Zbl 0870.03021](#))]. In particular, the relation between the Hurewicz and Menger properties of filters considered topologically as subspaces of  $P(\omega)$  with the Cantor set topology, are studied extensively with a lot of quite interesting results. In addition, several open questions are posed.

Reviewer: [Maximilian Ganster \(Graz\)](#)

**MSC:**

[54D20](#) Noncompact covering properties (paracompact, Lindelöf, etc.)

[54D80](#) Special constructions of topological spaces (spaces of ultrafilters, etc.)

Cited in **6** Documents

**Keywords:**

[filter](#); [Hurewicz property](#); [Menger property](#)

**Full Text:** [DOI](#) [arXiv](#)