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**Ordered elements in a lattice of topologies.** (Spanish. English summary) Zbl 1256.06003  
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Summary: We exhibit some properties of the orderable elements in a lattice of topologies which are related with the structure and size of the set of successors in an orderable set. These properties contribute not only to the knowledge of this lattice, but they also offer a research line in this subject for which there are still many questions waiting for an answer.

**MSC:**

**06B05** Structure theory of lattices

**06C15** Complemented lattices, orthocomplemented lattices and posets

**54A10** Several topologies on one set (change of topology, comparison of topologies, lattices of topologies)

**Keywords:**

ordered set; relatively complemented lattice; Boolean lattice; ultratopology; ordinal number