

Some Problems and Hints on Sequential Spaces and their Generalizations^{*†}

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Some problems concerning the connection between the sequentiality order of the product of sequential spaces, the pseudoradiality order of pseudoradial spaces and the relation between pseudoradial and weakly Whyburn spaces are presented. Some hints to solutions are given.

References

- [1] C. Baldovino: *Sequential order under CH*, Math. Pannon., **21** (2) (2010), 177-206.
- [2] A.I. Bashkirov: *The classification of quotient maps and sequential bicom-pacta*, Soviet Math. Dokl. **15** (1974), 1104-1109.
- [3] M. Dolcher, *Topologie e strutture di convergenza*, Ann. Scuola Norm. Sup. Pisa **14** (1960), 63-92.
- [4] A. Dow, *Sequential order under PFA*, Canad. Math. Bull. 54(2011), 270-276.
- [5] T. Nogura, A. Shibakov: *Sequential order of product spaces*, Topology Appl., **65** (3), (1995), 271-285.
- [6] R. Vaidyanathaswamy, *Set topology*, Chelsea Publishing Company, New York, second edition (1960).

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