

Compact Hausdorff Pseudoradial Spaces and their Pseudoradial Order*

STEFANO MODENA, GINO TIRONI

*Dipartimento di Matematica e Informatica - Università di Trieste,
Via Alfonso Valerio 12/1, 34127 Trieste, Italy
stefano.modena@sissa.it, tironi@units.it*

Received December 21, 2010

Abstract: It is proved that there are compact Hausdorff spaces of any pseudoradial order up to ω_0 included.

Key words: Pseudoradial spaces, pseudoradial order, adjunction spaces.

AMS Subject Class. (2010): 54A20; 54A25, 54B17.

REFERENCES

- [1] A.V. ARHANGEL'SKIĬ, The structure and classification of topological spaces and cardinal invariants, *Uspekhi Mat. Nauk* **33** (1978), 29–84.
- [2] A.V. ARHANGEL'SKIĬ, R. ISLER, G. TIRONI, On pseudo-radial spaces, *Comment. Math. Univ. Carolinae* **27** (1986), 137–156.
- [3] A. BELLA, G. TIRONI, d-4 Pseudoradial spaces, in “Encyclopedia of General Topology”, Elsevier, 2003, 165–168.
- [4] Z. FROLÍK, G. TIRONI, Products of chain-net spaces, *Riv. Mat. Pura Appl.* **5** (1989), 7–11.
- [5] H. HERRLICH, Quotienten geordneter Räume und Folgenkonvergenz, *Fund. Math.* **61** (1967), 79–81.
- [6] S. MODENA, G. TIRONI, Pseudoradial order of pseudoradial spaces, *Math. Pannon.* **21/2** (2010), 159–175.

*Research supported by University of Trieste within the Program: Finanziamento Ricerca d'Ateneo.