

Remarks on notions of μ^* -open sets

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ABSTRACT.

The purpose of this paper is to show that the construction leading from a generalized topology μ and a hereditary class of sets \mathcal{H} to another generalized topology μ^* remains valid, together with a lot of properties, if the generalized topology μ and the hereditary class \mathcal{H} are replaced by arbitrary classes of subsets.

REFERENCES

- [1] Császár, Á., *Generalized topology, generalized continuity*, Acta Math. Hungarica., **96** (2002), 351–357
- [2] Császár, Á., *Modification of generalized topologies via hereditary classes*, Acta Math. Hungarica., **115(1-2)** (2007), 29–36
- [3] Kim, Y. K. and Min., W. K., *On operations induced by hereditary classes on generalized topological spaces*, Acta Math. Hungarica., **137(1-2)** (2012), 130–138
- [4] Min., W. K., *Remarks on separation axioms on generalized topological spaces*, Journal of the Chungcheong Mathematical Society., **23** (2010), No. 2, 293–298
- [5] Rajamani., M., Inthumathi, V. and Ramesh., R., *Some new generalized topologies via hereditary classes*, Bol. Soc. Parana. Mat., **30** (2012), No. 2, 71–77
- [6] Sarsak., M. S., *Weak separation axioms in generalized topological spaces*, Acta Math. Hungarica., **131** (2011), No. 1-2, 110–121
- [7] Zahram., A. M., El-Saady, K., and Ghareeb., A., *Modification of weak structures via hereditary classes*, Appl. Math. Letters., **25** (2012), 869–872

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