

Yasushi Hirata, Yukinobu Yajima

The sup = max problem for the extent of generalized metric spaces

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Abstract: It looks not useful to study the sup = max problem for extent, because there are simple examples refuting the condition. On the other hand, the sup = max problem for Lindelöf degree does not occur at a glance, because Lindelöf degree is usually defined by not supremum but minimum. Nevertheless, in this paper, we discuss the sup = max problem for the extent of generalized metric spaces by combining the sup = max problem for the Lindelöf degree of these spaces.

Keywords: extent, Lindelöf degree, Σ -space, strict p -space, semi-stratifiable

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