
SOME VARIOUS ASPECTS OF ANTISYMMETRIC QUASI-PSEUDO-METRICS

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ABSTRACT

The notion of antisymmetric quasi-pseudo-metric function which is in some sense opposite to the metric function appeared in the previous studies rather naturally, and the various aspects of antisymmetric functions had been investigated.

Accordingly, it would be natural to ask whether the family of antisymmetric quasi-pseudo-metrics may be complete and dense with respect to the symmetrization metric of a corresponding T_0 -quasi-metric not antisymmetric, described on the family of all quasi-pseudo-metrics. Hence, several asymmetric and topological properties of the family of antisymmetric functions, such as these, will be considered in this talk.

Keywords quasi-pseudo-metric · symmetrization topology · antisymmetric path · metric

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