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Abstracts of Short Communications and Posters

Section:

8. Analysis

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Koshi, Shozo, Hokkaido Institute of Technology, Japan

Partially ordered linear space

Let E be a partially ordered linear space with positive cone P such that $P - P = E$ and that the intersection of P and $-P$ is 0.
We shall consider the supremum set for a subset in E which is bounded above and shall discuss several properties for the supremum set and the distributive law. E has the distributive law if and only if E is a Riesz space.
We discuss some order properties of Hermitian operators in this framework.
References: Y. C. Wong, Lecture Note 531 (1976), A. C. Zaanen: Springer Verlag (1997).