

International Workshop on Dynamical Systems and Applications (IWDSA 2019)

In Memory of Prof. Dr. Aydın Tiryaki

Gazi University, Ankara, Turkey, 3-4 May 2019

Riesz spaces with disjoint b -property

E. Efeturk

Gazi University, Ankara, Turkey, esraefeturk@gmail.com

Abstract

In this study, it is introduced the Riesz Spaces with disjoint b - property and given some examples of these spaces. And then it is proved that the Riesz space $L_b(E, F)$ has disjoint b - property if the Riesz space F has disjoint b - property for each Riesz spaces E .

Key Words: Positive operators, Riesz spaces, Riesz spaces with disjoint b -property.

References

- [1] C.D. Aliprantis, O. Burkinshaw, Positive Operators, Academic Press, New York and London, (1985).
- [2] S. Alpay, B. Altın, C. Tonyalı, On property (b) of vector lattices, Positivity, 7 (2003), 135-139.
- [3] S. Alpay, B. Altın, C. Tonyalı, A note on Riesz spaces with property- b , Czech. Math. J., 56 (2006), 765-772.
- [4] Z. Ercan, Interval bounded operators and order weakly compact operators, Demonstratio Mathematica, 4 (1998), 805-812.