

**Belmesnaoui Aqzzouz, Aziz Elbour, Othman Aboutafail**  
*The weak compactness of almost Dunford-Pettis operators*

Comment.Math.Univ.Carolin. 52,1 (2011) 31 –35.

**Abstract:** We characterize Banach lattices on which every positive almost Dunford-Pettis operator is weakly compact.

**Keywords:** almost Dunford-Pettis operator, weakly compact operator, order continuous norm, reflexive Banach space

**AMS Subject Classification:** 46A40, 46B40, 46B42

REFERENCES

- [1] Aliprantis C.D., Burkinshaw O., *Positive Operators*, reprint of the 1985 original, Springer, Dordrecht, 2006.
- [2] Aqzzouz B., Nouira R., Zraoula L., *Les opérateurs de Dunford-Pettis positifs qui sont faiblement compacts*, Proc. Amer. Math. Soc. **134** (2006), 1161–1165.
- [3] Meyer-Nieberg P., *Banach Lattices*, Universitext, Springer, Berlin, 1991.
- [4] Wnuk W., *Banach lattices with the weak Dunford-Pettis property*, Atti Sem. Mat. Fis. Univ. Modena **42** (1994), no. 1, 227–236.