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*On the class of positive almost weak\* Dunford-Pettis operators*

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**Abstract:** In this paper, we introduce and study the class of almost weak\* Dunford-Pettis operators. As consequences, we derive the following interesting results: the domination property of this class of operators and characterizations of the wDP\* property. Next, we characterize pairs of Banach lattices for which each positive almost weak\* Dunford-Pettis operator is almost Dunford-Pettis.

**Keywords:** almost weak\* Dunford-Pettis operator; almost Dunford-Pettis operator; weak Dunford-Pettis\* property; positive Schur property; order continuous norm

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

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