

ABSTRACT. We show convergence of the weak dual greedy algorithm in wide class of Banach spaces, extending our previous result where it was shown to converge in subspaces of quotients of  $L_p$  (for  $1 < p < \infty$ ). In particular, we show it converges in the Schatten ideals  $S_p$  when  $1 < p < \infty$  and in any Banach lattice which is  $p$ -convex and  $q$ -concave with constants one, where  $1 < p < q < \infty$ . We also discuss convergence of the algorithm for general convex functions.