1017-47-229   **William A. Feldman*** (`wfeldman@uark.edu`), wfeldman@uark.edu. *Sums of non-linear disjointness preserving operators on Banach lattices.* Preliminary report.

Operators that are k-disjoint are studied within a class of non-linear operators on Banach lattices. Several characterizations of k-disjoint operators are provided. These include a characterization as a sum of disjointness preserving operators extending a result of Bernau, Huijsmans and De Pagter. (Received February 24, 2006)