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Jessica E. Stovall* (jstovall@una.edu) and **William A. Feldman** (wfeldman@uark.edu). *A Decomposition for a Class of Nonlinear Functionals.*

Any Dedekind complete Banach lattice E with a quasi-interior point e is lattice isomorphic to a space of continuous, extended real-valued functions defined on a compact Hausdorff space X . Orthogonally additive, continuous, monotonic, and subhomogeneous nonlinear functionals on E are analyzed in this talk. Though these maps are not linear, a complete measure related to a nonlinear operator T is constructed and thus an associated linear map L is found. It is established that the operator T can be decomposed into the composition of two operators $L \circ S$, where S is disjointness preserving and L is linear. (Received December 04, 2012)