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Minimal Vectors of Positive Operators On Ordered Banach Spaces

We extend the technique of minimal vectors to lattice-ordered Banach Spaces which are not Banach Lattices, but with norm that satisfy $\| |x| \| = \|x\|$ for every x . We prove the existence of invariant subspaces for some positive operators on these spaces. As a special case, we consider operators on Sobolev Spaces.