

1046-46-294

**Rebekah B Yates\*** (ryates@mso.umt.edu), University of Montana, Department of Mathematical Sciences, Math Building, Missoula, MT 59808. *Norm-linear Operators Between Uniform Algebras.*

*Norm-linear mappings* are mappings  $T : A \rightarrow B$  between uniform algebras  $A$  and  $B$  such that  $\|\lambda Tf + \mu Tg\| = \|\lambda f + \mu g\|$  for every  $f, g \in A$  and every  $\lambda, \mu \in \mathbb{C}$ . We prove that norm-linear mappings which preserve the peripheral spectra of  $\mathbb{C}$ -peaking functions are algebra isomorphisms. Along the way, we prove a generalization of a classical theorem of Bishop and derive previous results as corollaries. (Received August 25, 2008)