

1116-VB-1613 **Leonardo Pinheiro***, lpinheiro@ric.edu, and **Gokul Kadel** and **Kit Chan**. *Simple connectivity and the chaotic behavior of operators on a space of harmonic functions.*

We show that for a finitely connected region on the complex plane, the chaotic behavior of certain continuous linear operators on a space of complex valued harmonic functions is equivalent to the simple connectivity of the region. (Received September 20, 2015)