Bounded topologies on endomorphism rings

HOREA F. ABRUDAN

ABSTRACT.

We prove in this note that the ring of endomorphisms of an infinite bounded Abelian group admits a nondiscrete right bounded ring topology. We give an example of an Abelian group whose ring of endomorphisms admits both nondiscrete left and right bounded topologies but does not admit a nondiscrete bounded ring topology.

TECHNICAL COLLEGE "MIHAI VITEAZUL"
POIENIŢEI 25, 410191, ORADEA, ROMANIA
E-mail address: `abrudan.horea@gmail.com`