

Michael Kaplin

Institute of mathematics, physics and mechanics, University of Ljubljana, Slovenija

Relatively uniformly continuous semigroups on vector lattices

We shall introduce and study the notion of relatively uniformly continuous semigroups on vector lattices. We will present some basic results for such semigroups. In particular, we will see an analogue of the Hille-Yosida Theorem for relatively uniformly continuous positive semigroups on vector lattices which satisfy a Banach-Steinhaus property and are relatively uniformly complete.