

H-complete topological semigroups and semilattices

The survey on this topic will be given. We also give an answer on Stepp Problem (1975) on H-complete topological semilattices.

On compactifications of topological Brandt extensions of semitopological semigroups

We describe countably compact, countably precompact and pseudo-compact of topological Brandt extensions of semitopological semigroups. Also we give the description of Stone-Čech compactifications of such extensions.