

---

**HEYDAR RADJAVI**, University of Waterloo, Waterloo, Ontario N2L 3G1

*Invariant Sublattices for Semigroups of Operators*

Let  $X$  be a Banach lattice and  $S$  a set of operators on  $X$ . This is a report on joint work in progress with Vladimir Troitsky concerning those sublattices of  $X$  which are invariant under every member of  $S$ . We study conditions under which nontrivial invariant sublattices exist.