

# ON CERTAIN SUBLATTICES OF THE LATTICE OF ALL VARIETIES OF SEMIGROUPS

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Although the lattice of all semigroup varieties has attracted much research attention, very little is now known about its structure, and certain sublattices are known to be very complicated as it does not satisfy any of the lattice laws. We have made use of a countably infinite family of injective endomorphisms on the lattice of all semigroup varieties, introduced by the author, to describe certain important sublattices of the lattice. Together with other well known results, this information enables us to give a sketch of the lower part of the lattice of all semigroup varieties.