

# Congruences of strongly Morita equivalent posemigroups

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Partially ordered semigroups are called **strongly Morita equivalent** ([1]) if there is a unitary Morita context containing them with surjective mappings. We say that a semigroup has **local units** if

$$(\forall s, s' \in S)(\exists u, v \in S)(s = usv \wedge s' = us'v).$$

**Theorem 1** *Congruence lattices of strongly Morita equivalent semigroups with local units are isomorphic.*

## References

- [1] Talwar, S., Strong Morita equivalence and a generalisation of the Rees theorem, J. Algebra **181**, 1996, 371–394.