# Completeness and topologizability of semigroups

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We will discuss different sorts of completeness of semigroups and find a connection between completeness and topologizability of countable groups. The results are published in [1, 2, 3]

## References

[1] T. Banakh, S. Bardyla. *Categorically closed countable semigroups,* Forum Mathematicum **35**:3, 689--711 (2023).

[2] T. Banakh, S. Bardyla. *Characterizing categorically closed commutative semigroups,* Journal of Algebra **591**, 84--110 (2022).

[3] T. Banakh, S. Bardyla. *Characterizing chain-compact and chain-finite topological semilattices,* Semigroup Forum **98**:2, 234--250 (2019).