

## On bitopological clopen sets

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In bitopological spaces, considerations of clopen sets seem to be not applied widely, although there are few interesting papers in this direction (see e. g. [1, 2]). Motivated by this gap we try to develop some theoretical constructions for asymmetric quasi-components, ultra-Hausdorff separation and continuous-like mappings using bitopological clopens. We will present new characterizations and a preservation theorem of pairwise connected spaces.

### REFERENCES

- [1] I. Reilly, *Zero-dimensional bitopological spaces*. Indag. Math. **35** (1973), 127–131.
- [2] G. Bezhanishvili, N. Bezhanishvili, D. Gabelaia, A. Kurz, *Bitopological duality for distributive lattices and Heyting algebras*. Math. Struct. Comput. Sci. **20** (2010), 359–393.