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Boundedness in frames

We introduce a notion of bounded element in a frame (locale) that draws its inspiration from the early topological notions investigated in [1] and [2]. This concept of boundedness is compared with related notions of boundedness studied by Dube in [3]. Lastly we investigate the generalised pseudocompactness property which this boundedness definition permits.

References

- [1] P. Lambrinos, A topological notion of boundedness, *Manuscr. Math.* 10 (1973), 289–296.
- [2] P. Lambrinos, Some weaker forms of topological boundedness, *Ann. de la Soc. Sci. de Brux.* 90 (1976), 109–124.
- [3] T. Dube, Bounded quotients of frames, *Quaest. Math.* 28 (2005), no. 1, 55–72.