

TACTIC-PROXIMAL COMPACT SPACES ARE STRONG EBERLEIN COMPACT

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ABSTRACT. The author and G. Gruenhage previously showed that J. Bell's proximal game may be used to characterize Corson compactness in compact Hausdorff spaces. Using limited information strategies, the proximal game may also be used to characterize the strong Eberlein compactness property. In doing so, a purely topological characterization of the proximal game is introduced, and several existing results on the proximal game are generalized to hold for limited information strategies.

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REFERENCES

- [1] Kenneth Kunen. A compact l-space under $\{\text{CH}\}$. *Topology and its Applications*, 12(3):283 – 287, 1981.

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