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Continua with kernels

Abstract. We introduce the concept of kernels of continua, obtained by combining inverse limits of inverse sequences of unit intervals and one-valued bonding maps with inverse limits of inverse sequences of unit intervals and upper semicontinuous set-valued bonding functions. We also show some of their properties, with special emphasis on arc-like continua.

REFERENCES

- [1] I. Banič, Continua with kernels, to appear in Houston J. Math.
- [2] I. Banič, On dimension of inverse limits with upper semicontinuous set-valued bonding functions, submitted.
- [3] I. Banič, Inverse limits as limits with respect to the Hausdorff metric, to appear in Bull. Austral. Math. Soc.