## r-skeletons and $\omega$ -monotone functions

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W. Kubiś and H. Michalewski introduced in [2] the r-skeleton notion to characterize the Valdivia compact spaces. This concept has been useful in studying spaces related to the  $\Sigma$ -product as Corson or Eberlein spaces. Also, S. García-Ferreira and R. Rojas-Hernández([1]) introduced the c-skeletons and q-skeletons as related notions of r-skeletons. In this talk, I will present some results surged by the use of r-skeletons and  $\omega$ -monotone functions in the study of the hyperspaces and the space  $C_p(X)$  of a compact space X which admits r-skeletons or q-skeletons, and we will discuss some advances in open problems posed in [3].

## References

- García-Ferreira, S.; Rojas-Hernández, R., Families of continuous retractions and function spaces, J. Math. Anal. Appl., 441, 1, 330-348 (2016).
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- [3] Rojas-Hernández, R.; Tenorio, J. F.; Yescas-Aparicio, C. The hyperspace of a semi-Eberlein compact space is semi-Eberlein, Topol. Appl., 328, 108457, (2023).

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