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On determining the compact convergence topology on $C(X)$

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Our problem lies in determining the topology of uniform convergence on compact sets among all the locally m -convex topologies on $C(X)$. We provide a generalization of a result due to B. Requejo [1] by adding the condition that the closed intervals are bounded.

References

- [1] B. Requejo, *A characterization of the topology of compact convergence on $c(x)$* , *Topology Appl.* **77/2** (1997), 213–219.