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Relation between Ideal convergence and Sequence selection principles

Joint work with Jaroslav Šupina

The selection principle $S_1(\Gamma, \Gamma)$ which has been introduced by M. Scheepers in 1996 is in our main interest. We are focused especially on space of all continuous functions on X , namely $C_p(X)$. By modification of mentioned principle we understand to change γ -cover to \mathcal{I} - γ -cover and in case of $C_p(X)$ to change classical convergence to \mathcal{I} -convergence. In our paper [1] we provide the overview of this problematics and we are adding our results which are focused particularly on description of critical cardinality of these spaces.

[1] Šottová V., Šupina J.: Principle $S_1(\mathcal{P}, \mathcal{R})$: Ideals and functions, preprint.