

Reflection theorems for local cardinal functions

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Resumo

We say that a cardinal function ϕ reflects an infinite cardinal κ , if given a topological space X with $\phi(X) \geq \kappa$, there exists $Y \in [X]^{\leq \kappa}$ with $\phi(Y) \geq \kappa$. We investigate in [6] some problems, discussed by Hodel and Vaughan in [3] and Juhász in [4], related to the reflection for the cardinal functions χ (character) and ψ (pseudocharacter). Among other results, we present some new equivalences with CH, and we use the theory of character and convergence spectra developed in [5] to obtain some results about reflection of ψ in compact Hausdorff spaces.

Referências

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