

Asymptotically Lacunary I_σ -Equivalence of Sequences of Sets

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ABSTRACT

In this study, we introduce the concepts of Wijsman p -strongly asymptotically lacunary invariant equivalence $([W_{N_{\theta\sigma}}^L]_p)$, Wijsman asymptotically lacunary I -invariant equivalence $(W_{I_{\sigma\theta}}^L)$ and Wijsman asymptotically lacunary I^* -invariant equivalence $(W_{I_{\sigma\theta}^*}^L)$ for sequences of sets. Also, the relationships among the concepts of Wijsman asymptotically lacunary invariant equivalence, Wijsman asymptotically lacunary invariant statistical equivalence, $([W_{N_{\theta\sigma}}^L]_p)$, $(W_{I_{\sigma\theta}}^L)$ and $(W_{I_{\sigma\theta}^*}^L)$ were investigated.