Asymptotically Lacunary I_2-Invariant Equivalence

Uğur ULUSU[1], Erdinç DÜNDAR[1] and Fatih NURAY[1]

[1]*Department of Mathematics, Faculty of Science and Literature,*
Afyon Kocatepe University, Afyonkarahisar-TURKEY

ulusu@aku.edu.tr
edundar@aku.edu.tr
fnuray@aku.edu.tr

ABSTRACT

In this study, the concept of asymptotically lacunary I_2-invariant equivalence, the concepts of asymptotically lacunary σ_2-equivalence and the concept of asymptotically lacunary invariant S_2-equivalence for double sequences are defined. In addition, some relationships were obtained among these new equivalence concepts.