

Levels of local chaos for special Blocks Families

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In this work we going to study the properties of some chaotic properties via Furstenberg families, specially using other levels of Blocks families. Futhermore, We are going to relate the Li Yorke and Distribution chaos levels through the existence of certain categories of block families, which contain IP families and Weakly Thick families. Then, we are going to demonstrate that there is equivalence between chaotic localities in time actions that are closed under addition and multiplication, showing at the end some applications in types of shift systems from an ergodic point of view.

References

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