

CHAOS AND FRACTALS IN INTUITIONISTIC TOPOLOGICAL SPACES

M. KOUSALYAPARASAKTHI, E. ROJA & M. K. UMA

Department of Mathematics Sri Sarada College for Women, Salem, Tamil Nadu, India

ABSTRACT

In this paper, the concepts of intuitionistic transitive, intuitionistic strongly stirring, intuitionistic periodic points, intuitionistic sensitive, intuitionistic stirring, intuitionistic non wandering points and intuitionistic chaos spaces are introduced and studied. The concepts of intuitionistic Julia set, intuitionistic Mandelbrot set and intuitionistic fractal are introduced and studied.

KEYWORDS: Intuitionistic Periodic Points, Intuitionistic Non Wandering Points, Intuitionistic Transitive, Intuitionistic Perfect, Intuitionistic Strongly Stirring, Intuitionistic Julia Set and Intuitionistic Mandelbrot Set