

Title: Sequence of fuzzy topographic topological mapping and  $f$ -fibonacci sequence

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Abstract: Fuzzy Topological Topographic Mapping (FTTM) is a model for solving neuromagnetic inverse problem. FTTM consists of four components and connected by three algorithms. FTTM version 1 and FTTM version 2 were designed to present 3D view of an unbounded single current and bounded multicurrent sources, respectively. In 2008, Suhana proved the conjecture posed by Liao in 2005 such that if there exist  $n$  number of FTTM, then  $n^4 - n$  new elements of FTTM will be generated from it. In this paper, a new proof of sequence of FTTM is presented using  $f$ -Fibonacci sequence.