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## ABSTRACT BOOK



4th International Intuitionistic Fuzzy Sets and Contemporary Mathematics  
Conference

03-07 May 2017  
Mersin - TURKEY

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[9] **Motion of Klein Gordon Particles In External Fields via Asymptotic Iteration Method**

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**Abstract:** We study the motion of the Klein-Gordon particles in the existence of the hyperbolic external electromagnetic fields. Exact solutions are obtained in terms of the hypergeometric functions with the usage of the asymptotic iteration method (AIM). The external fields used for the problem is defined as follow:

$$A_{\mu} = \left\{ 0, 0, B_0 x, -\frac{E_0}{\xi} [1 - e^{-\xi t}] \right\}$$

**Keywords and phrases:** Asymptotic iteration method, hyperbolic external fields, Klein-Gordon equation IFSCOM2017  
ABSTRACT No. 71 (2017)

**On Separation Axioms in Temporal Intuitionistic Fuzzy Šostak's Topology**  
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**Abstract:** In this study, we define temporal intuitionistic fuzzy point and the separation axioms  $T_0, T_1$  and  $T_2$  in temporal intuitionistic fuzzy Šostak's topology and investigate some properties of them.

**Keywords and phrases:** temporal intuitionistic fuzzy set, temporal intuitionistic fuzzy topology, separation axioms, Hausdorffness

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