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Divya Mol K T

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Abstract: One of our society's most harmful problems is smoking. Youth who smoke frequently become slaves. It then develops into a habit that is simple to form but challenging to stop. We are aware that different age groups smoke cigarettes for a variety of reasons. Consequently, utilizing the idea of complex fuzzy matrices and data, we provide a new fuzzy mathematical method in this research to determine the primary cause of beginning to smoke at each age. This approach will assist the nation in identifying the primary contributing factor to smoking habits across a range of age groups and in adopting appropriate measures to address the problem. To improve analysis accuracy, we change the algorithm and use the relation matrix concept. An example is also illustrated to verify the developed procedure.

**Mogbademu Adesanmi Alao, Afariogun David Adebisi and Olaoluwa Hal-
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Abstract: We present some results for Gronwall type inequalities of interval-valued functions on time scales. Some of the properties of Henstock-Kurzweil-Stieltjes integrals and Gronwall-Bellman inequalities are extended to the concept of interval-valued functions on double time scales. These results are applicable in the study of uniqueness of solution of interval-valued integro-differential equations.

F. H. Khedr and O. R. Sayed

A STUDY ON DOUBLE TOPOLOGICAL SPACES 133-148

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Subrata Bhowmik

A STUDY ON NON T_1 SPACES

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Abstract: IN THIS PAPER WE ARE INTERESTED TO STUDY NON T_1 TOPOLOGICAL SPACES WITH THE NEIGHBOURHOOD STRUCTURE. IN THIS PAPER WE WILL CONSIDER THE REVERSE OF THE SPECIALIZATION ORDER ($[4]$, $[5]$) IN T_0 SPACES AND STUDY SOME PROPERTIES WITH THIS ORDER. LASTLY WE WILL STUDY A GENERALIZED METRIC DEFINED WITH THE REVERSE OF THE SPECIALIZATION ORDER AND STUDY THE RELATIONSHIP OF THE T_0 AND T_1 SEPARATION AXIOMS BETWEEN THE TWO TOPOLOGICAL STRUCTURES ON A SAME SET.
