

عنوان مقاله:

Fuzzy Mathematics and Nonstandard Analysis Application to the Theory of Relativity

محل انتشار:

مجله بحث هایی روی مجموعه ها و سیستم های فازی، دوره 1، شماره 1 (سال: 1401)

تعداد صفحات اصل مقاله: 12

نویسندگان:

John N Mordeson - Department of Mathematics Creighton University Omaha, USA

Sunil Mathew - Department of Mathematics National Institute of Technology Calicut Calicut, India

خلاصه مقاله:

In this paper, we extend some results of nonstandard analysis to include concepts from fuzzy mathematics. Then we apply our results to issues from special and general relativity and the theory of light-clocks. The extension includes concepts of fuzzy numbers, continuity, and differentiability. Our goal is to provide a new research area in fuzzy mathematics.

کلمات کلیدی:

fuzzy logic, Nonstandard analysis, Theory of relativity

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1589909>

