

Title of the Paper (Times New Roman, 16 pt, Bold, Centred)

Author Name¹, Author Name², Author Name^{3*}

¹Affiliation of Author2, ²Affiliation of Author2, ³Affiliation of Author3

Email: ¹author1@email.com, ²author2@email.com, ³author3@email.com

*Corresponding Author: Author email: (email@domain.com)

Abstract

Write an abstract of **250-300 words** here. The abstract should briefly describe the purpose of the study, methodology, key results, and main conclusions. It should be self-contained and clearly convey the significance of the work without requiring reference to the main text. Avoid citations, equations, and undefined abbreviations.

Keywords: keyword1, keyword2, keyword3, keyword4, keyword5

All text in 11 pt Times New Roman font. Only the title is 16pt.

An illustration

Paper ID:

On Intuitionistic Fuzzy Sets from n th Type and Q-Rung Orthopair Fuzzy Sets

Duško Tešić¹, Adis Puška², Darko Božanić^{*3}

^{1,2}Military Academy, University of Defence, Belgrade, Serbia.

¹Email: duško.tesic@va.mod.gov.rs; tesic.dusko@yahoo.com,

²E-mail: adispuska@yahoo.com;

³Military Academy, University of Defence, Belgrade, Serbia.

*Corresponding author. Email: darko.bozanic@va.mod.gov.rs

Abstract

This study proposes a modification of the Ranking of Alternatives with Weights of Criterion (RAWEC) method through the integration of q-rung orthopair fuzzy numbers (qROFN), seeking to improve multi-criteria decision-making in situations characterized by uncertainty. The methodology combines the simplicity of application with a flexible treatment of uncertainty and enables the simultaneous processing of qualitative and quantitative data. Validation was performed using two theoretical scenarios with fictitious but methodologically consistent data, which confirmed the model's accuracy and stability. After that, the method was applied to a real case, the choice of a security camera, which demonstrated its practical applicability and potential for integration into intelligent decision support systems.

Keywords: Multi-criteria decision making, q-rung orthopair fuzzy numbers, Ranking of Alternatives with Weights of Criterion, security camera.