Editorial

In this edition of our journal, we feature a compelling research paper that delves into the application of spectral methods based on classical orthogonal polynomials for solving digital information processing problems. This study highlights innovative approaches to signal approximation and noise filtering, providing significant contributions to the field of digital signal processing.

The featured paper explores the use of spectral methods grounded in classical orthogonal polynomials to tackle various challenges in digital information processing. The research is divided into two primary areas: signal approximation using Jacobi polynomials and noise filtering using Chebyshev-Laguerre polynomials [1].

This edition's featured paper exemplifies the type of innovative and impactful research that our journal strives to publish. By leveraging classical orthogonal polynomials, the study offers novel solutions for signal approximation and noise filtering in digital information processing. We are excited to share these insights with our readers and anticipate that they will inspire further advancements and research in the field.

References:

[1]   Y. Pyanylo, V. Sobko, H. Pyanylo, O. Pyanylo, "Orthogonal Polynomials in the Problems of Digital Information Processing," Journal of Engineering Research and Sciences, vol. 2, no. 5, pp. 1–9, 2023, doi:10.55708/js0205001.

Editor-in-chief

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