

A comparative analysis of Fuzzy AHP and Fuzzy VIKOR methods for prioritization of the risk criteria of an autonomous vehicle system

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Development of a sustainability-oriented KPI selection model for manufacturing processes

Karjust, Kristo; Mehrpavar, Marmar; Kaganski, Sergei; Raamets, Tõnis Sustainability 2025 / art. 6374
<https://doi.org/10.3390/su17146374>

Dynamics of axially graded nanobeams with follower force effect

Arda, Mustafa; Mehrpavar, Marmar; Karjust, Kristo International Conference of Numerical Analysis and Applied Mathematics ICNAAM2022 : Heraklion, Freece, 19-25 September 2022 2024 / art. 230005 <https://pubs.aip.org/aip/acp/article-abstract/3094/1/230005/3297087/Dynamics-of-axially-graded-nanobeams-with-follower> <https://doi.org/10.1063/5.0210131> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Dynamics of flight of the fragments with higher order Haar wavelet method

Kivistik, Lenart; Mehrpavar, Marmar; Eerme, Martin; Majak, J Proceedings of the Estonian Academy of Sciences 2024 / p. 108-115 <https://doi.org/10.3176/proc.2024.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of aggregation methods in fuzzy technique for prioritization of criteria of automated vehicle system

Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo AIP conference proceedings 2024 / art. 020011 <https://doi.org/10.1063/5.0189323> [Journal metrics at Scopus](#) [Article at Scopus](#)

Enhanced Crack Detection in Composite Plates : Integrating Haar Wavelet Transform with Convolutional Neural Networks

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Free vibration analysis of tapered Timoshenko beam with higher order Haar wavelet method

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Free vibration analysis of Timoshenko beam by higher-order Haar wavelet method

Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo AIP conference proceedings 2023 / art. 250007 <https://doi.org/10.1063/5.0162269> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Free vibration analysis of uniform and tapered timoshenko beam by higher-order haar wavelet method

Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 38 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

Haar wavelet based analysis of dynamics of flight of the fragments

Mehrpavar, Marmar; Kivistik, Lenart; Eerme, Martin; Karjust, Kristo International Conference Of Numerical Analysis And Applied Mathematics : ICNAAM2023 2025 / art. 240001 <http://pubs.aip.org/aip/acp/article/3315/1/240001/3363142/Haar-wavelet-based-analysis-of-dynamics-of-flight> <https://doi.org/10.1063/5.0287481>

Longitudinal wave propagation in axially graded Rayleigh–Bishop nanorods

Arda, Mustafa; Majak, Jüri; Mehrpavar, Marmar Mechanics of composite materials 2024 / p. 1109-1128
<https://doi.org/10.1007/s11029-023-10160-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical modeling of fragment flight dynamics

Kivistik, Lenart; Mehrpavar, Marmar; Eerme, Martin; Dieves, Veiko; Majak, Jüri Proceedings of the Estonian Academy of Sciences 2025 / p. 120-125 <https://doi.org/10.3176/proc.2025.2.06>

Wave propagation in axially graded carbon nanotubes

Arda, Mustafa; Karjust, Kristo; Mehrpavar, Marmar AIP conference proceedings 2023 / art. 250006
<https://doi.org/10.1063/5.0162668> [Conference Proceedings at Scopus](#) [Article at Scopus](#)