

Application of higher order Haar wavelet method for solving nonlinear evolution equations

Ratas, Mart; Salupere, Andrus Mathematical modelling and analysis 2020 / p. 271-288 <https://doi.org/10.3846/mma.2020.11112>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of HOHWM for vibration analysis of nanobeams

Kirs, Maarjus; Eerme, Martin; Bassir, David; Tungel, Ernst Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 230-235
<https://www.scientific.net/KEM.799.230> https://www.estet.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.230>

[Conference proceeding at Scopus](#) [Article at Scopus](#)

Application of the Adaptive Higher Order Haar Wavelet based methods for solving the sine-Gordon equation

Ratas, Mart AIP conference proceedings 2022 / art. 380006 <https://doi.org/10.1063/5.0081491> [Conference Proceedings at Scopus](#)
[Article at Scopus](#)

Application of the Haar wavelet based discretization technique to problems of orthotropic plates and shells

Majak, Jüri; Pohlak, Meelis; Eerme, Martin Mechanics of composite materials 2009 / 6, p. 631-642

Application of wavelet based discretization method to elasticity and plasticity problems

Majak, Jüri; Pohlak, Meelis; Eerme, Martin 6th European Solid Mechanics Conference 2006 / ? p

Applications of multi-resolution analysis for bioimpedance signal processing

Birjukov, Andrei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore Külalistemaja 2008 / p. 115-118 : ill

Classification of signal segments using higher order statistics-based models, wavelet transform and self-organizing mases

Lossmann, Eerik; Meister, Ants 2nd Lithuanian Conference "Biomed. Engineering", 10-17. Oct. 1997 1997 / p. 25

Design of performance characteristics on laser treated denim fabric

Mandre, Nele; Plamus, Tiia; Linder, Angelika; Varjas, Toivo; Majak, Jüri; Krumme, Andres The materials science = Medžiagotyra 2023 / 10 p. : ill <https://doi.org/10.5755/j02.ms.33259>

Desing of wavelet filter bank for JPEG 2000 standard

Hahanova, I.; Hahanov, V.; Fomina, Jelena; Bykova, V.; Sorudeykin, K. Proceedings of IEEE East-West DesignAMPTest International Workshop (EWDTW'06) : Sochi, Russia 2006 / p. 327-331 <https://openarchive.nure.ua/items/5eb7b697-f891-42e3-9af1-142e0491e388>

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

Kivistik, Lenart; Mehrparvar, 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>

Evaluation of Haar wavelet method for analysis of functionally graded and nanostructures = Haari lainikute meetodi hindamine funktsionaalgradient- ja nanostruktuuride analüüsiks

Kirs, Maarjus 2018 <https://digi.lib.ttu.ee/i/?10625>

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

Mehrparvar, Marmar; Majak, Jüri; Karjust, Kristo AIP conference proceedings 2023 / art. 250007 <https://doi.org/10.1063/12.0019668>

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

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

Higher order Haar wavelet method for vibration analysis of functionally graded beam

Mikola, Madis; Majak, Jüri; Pohlak, Meelis; Shvartsman, Boris AIP Conference Proceedings 2022 / art. 380003
<https://doi.org/10.1063/5.0081476> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Higher-order Haar wavelet method for vibration analysis of nanobeams

Majak, Jüri; Shvartsman, Boris; Ratas, Mart; Bassir, David; Pohlak, Meelis; Karjust, Kristo; Eerme, Martin Materials today communications 2020 / art. 101290, 6 p. : tab <https://doi.org/10.1016/j.mtcomm.2020.101290> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Longitudinal wave propagation in axially graded Rayleigh–Bishop nanorods

Arda, Mustafa; Majak, Jüri; Mehrparvar, Marmar Mechanics of composite materials 2024 / p. 1109-1128
<https://doi.org/10.1007/s11029-023-10160-4>

Mees kes lahendab lainikutega keerulisi võrrandeid

Strandberg, Marek; Kolk, Mariliis Arvamus, kultuur : [ajalehe Postimees lisa] 2021 / Lk. 2-3 : fot
<https://dea.digar.ee/article/ak/2021/07/10/2.1>

On the accuracy of the Haar wavelet discretization method

Majak, Jüri; Shvartsman, Boris; Karjust, Kristo; Mikola, Madis; Haavajõe, Anti; Pohlak, Meelis Composites Part B : Engineering 2015 / p. 321-327 : tab <http://dx.doi.org/10.1016/j.compositesb.2015.06.008>

Requirements to data acquisition and signal analysis for electrical grid condition monitoring

Anijärv, Toomas Erik; Shabbir, Noman; Kütt, Lauri; Iqbal, Muhammad Naveed 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 <https://doi.org/10.1109/RTUCON51174.2020.9316487>

Solving nonlinear boundary value problems using the higher order Haar wavelet Method

Ratas, Mart; Majak, Jüri; Salupere, Andrus Mathematics 2021 / art. 2809 <https://doi.org/10.3390/math9212809> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solving nonlinear PDEs using the higher order Haar wavelet method on nonuniform and adaptive grids

Ratas, Mart; Salupere, Andrus; Majak, Jüri Mathematical modelling and analysis 2021 / p. 147–169
<https://doi.org/10.3846/mma.2021.12920> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solving ordinary differential equations with higher order Haar wavelet method

Majak, Jüri; Pohlak, Meelis; Eerme, Martin; Shvartsman, Boris AIP conference proceedings 2019 / art. 330002
<https://doi.org/10.1063/1.5114340> Conference proceeding at Scopus Article at Scopus Article at WOS

Spectrum analysis additional vibrations of Cartesian robot by different control modes

Autsou, Siarhei; Vaimann, Toomas; Rassõlkin, Anton; Kudelina, Karolina 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 5 l. <https://doi.org/10.1109/BEC56180.2022.9935595>

Static response and buckling loads of multilayered composite beams using the refined Zigzag theory and Higher-Order Haar Wavelet method

Sorrenti, M.; Di Sciuva, M.; **Majak, Jüri**; Auriemma, Fabio Mechanics of composite materials 2021 / 18 p
<https://doi.org/10.1007/s11029-021-09929-2> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The low voltage start-up test of induction motor for the detection of broken bars

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Heidari, Hamidreza 2020 International Conference on Electrical Machines (ICEM), 23-26 august 2020, Gothenburg, Sweden : online : proceedings 2020 / p. 1481-1487
<https://doi.org/10.1109/ICEM49940.2020.9271018>

Transient modeling and recovery of non-stationary fault signature for condition monitoring of induction motors

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Ghahfarokhi, Payam Shams; Kudelina, Karolina Applied sciences 2021 / 17 p. : ill <https://doi.org/10.3390/app11062806> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Transient modeling and recovery of non-stationary fault signature for condition monitoring of induction motors

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Ghahfarokhi, Payam Shams Advances in machine fault diagnosis 2022 / p. 43-59 <https://doi.org/10.3390/app11062806>

Wavelet based discretization technique for analysis and design of composite structures

Majak, Jüri; Kers, Jaan; Pohlak, Meelis; Eerme, Martin; Luiga, K. The 18th International Conference on Composite Materials. Composite materials : key to the future 2011 / [6] p

Weak formulation based Haar wavelet method for solving differential equations

Majak, Jüri; Pohlak, Meelis; Eerme, Martin; Lepikult, Toomas Applied mathematics and computation 2009 / p. 488-494