

Algorithms of discrete Fourier transform decomposition

Arro, Ilmar Tallinna Tehnikaülikooli Toimetised 1994 / lk. 5-14

Analysis and improvement of resilience for long short-term memory neural networks

Ahmadilivani, Mohammad Hasan; Raik, Jaan; Daneshlab, Masoud; Kuusik, Alar 2023 IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT) 2023 / 4 p <https://doi.org/10.1109/DFT59622.2023.10313559>

Broken rotor bar fault diagnostic of inverter fed induction motor using FFT, Hilbert and Park's vector approach

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants 2018 XIII International Conference on Electrical Machines (ICEM 2018) : Alexandroupoli, Greece, 3-6 September 2018 2018 / p. 2352-2358 : ill <https://doi.org/10.1109/ICELMACH.2018.8506957>

Cleaning-up dirty isotachopherograms in time and frequency domain

Reijenga, Jetse; Seiman, Andrus Procedia chemistry 2010 / p. 67-75 : ill
<https://www.sciencedirect.com/science/article/pii/S1876619609004082>

Common algorithmic and structural description of procedures of short discrete Fourier transform

Arro, Ilmar; Trump, Tõnu; Smolyansky, L. Latvian Signal Processing International Conference : proceedings. Vol. 1 1990 / p. 118-122

Detection of broken rotor bars in three-phase squirrel-cage induction motor using fast Fourier transform

Vaimann, Toomas; Kallaste, Ants 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 52-56 : ill

A DFT-based approach for condition monitoring of switch-mode power converters

Kütt, Lauri; Tiivel, Tuuli; Parker, Martin; Valgur, Laur; Jarkovoi, Marek; Chub, Andrii 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p
<https://doi.org/10.1109/RTUCON62997.2024.10830915>

Dirichlet's problem for π -symmetric boundary value functions

Kivinukk, Andi; Saksa, Anna Mathematical modelling and analysis 2016 : abstracts 2016 / p. 41
http://www.ester.ee/record=b4573512*est

Discrete Fourier cosine transform filtering

Trump, Tõnu Tallinna Tehnikaülikooli Toimetised 1994 / lk. 23-31: ill

Diskreetne Fourier' teisendus

Raja, Aimur A & A 2007 / 2, lk. 25-36 : ill

Feasibility study : a DM3730-based data acquisition and processing solution

Mölder, Ago; Reidla, Marko; Märten, Olev; Land, Raul EDERC 2012 : proceedings of the 5th European DSP in Education & Research Conference : 13-14 September 2012, Amsterdam, The Netherlands 2012 / p. 58-61
<https://ieeexplore.ieee.org/document/6532225>

Improving legibility of motor current spectrum for broken rotor bars fault diagnostics

Asad, Bilal; Vaimann, Toomas; Kallaste, Ants; Rassõlkin, Anton; Belahcen, Anouar; Iqbal, Muhammad Naveed Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2019 / p. 1-8 : ill <https://doi.org/10.2478/ecce-2019-0001>

Influence of different tooth belt transmission faults on the work of a cartesian robot

Autso, Siarhei; Vaimann, Toomas; Rassõlkin, Anton; Kudelina, Karolina; Asad, Bilal Proceedings of the 2022 20th International Conference on Mechatronics - Mechatronika, (ME), Pilsen, Czech Republic, December 7-9, 2022 2022 / 5 p. : ill
<https://doi.org/10.1109/ME54704.2022.9982815>

Integraalteisendus

Jõgi, Aksel 2003 http://www.ester.ee/record=b1748177*est

Multi-frequency and multi-channel bio-impedance measurement solution [Electronic resource]

Märten, Olev; Min, Mart; Land, Raul; Annus, Paul Proceedings of 7th Nordic Signal Processing Symposium (NORSIG 2006) : Reykjavik, Iceland, June 7-9, 2006 2006 / [4] p. [CD-ROM] <https://ieeexplore.ieee.org/document/4052217>

On generalized Shannon sampling operators in the cosine operator function framework

Kivinukk, Andi; Tamberg, Gert Sampling, approximation, and signal analysis : harmonic analysis in the spirit of J. Rowland Higgins 2023 / p. 39-68 https://doi.org/10.1007/978-3-031-41130-4_3

On the evaluation of finite Fourier transform of convex function

Kivinukk, Andi Matemaatika teoreetilis ja rakenduslikke küsimusi : konverentsi ettekannete teesid, 21-22.IX 1990 1990 / lk. 127-

Oxygen isotope studies of the largest West Siberian mammoth sites and implications for last glacial maximum climate reconstruction

Krivokorin, Ivan; Amon, Leeli; Leshchinskiy, Sergey V.; Arppe, Laura Quaternary science reviews 2024 / art. 108938, 13 p. : ill
<https://doi.org/10.1016/j.quascirev.2024.108938> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Parallel implementation of the recursive discrete Fourier transformation

Varkonyi-Koczy, Annamaria R. BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 111-115

Piccolo-stick and pcb-coil based simple coin validator

Reidla, Marko; Märtens, Olev; Land, Raul; Rist, Marek EDERC 2012 : proceedings of the 5th European DSP in Education & Research Conference : 13-14 September 2012, Amsterdam, The Netherlands 2012 / p. 81-84
<https://ieeexplore.ieee.org/document/6532230>

Recursive Self-Correction Discrete Fourier Transform and application to impedance measurement

Liu, Ji-Gou; Schönecker, Andreas; Frühauf, Uwe BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 109-112: ill

Reordering of spectrum obtained via the two-dimensional short Fourier transform algorithm

Trump, Tõnu Tallinna Tehnikaülikooli Toimetised 1994 / lk. 15-22

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>

Rotor fault diagnostic of inverter fed induction motor using frequency analysis

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton 2019 IEEE 12th International Symposium on Diagnostics for Electrical Machines, Power Electronics and Drives (SDEMPED), 27-30 Aug. 2019, Toulouse, France : proceedings 2019 / p. 127-133 : ill <https://doi.org/10.1109/DEMPED.2019.8864903>

Short algorithm for real-valued multidimensional Fourier transform

Arro, Ilmar; Trump, Tõnu Proc. International Conf. on Statistical Methods in the Theory of Transmission and Transformation of Information Signals 1993

Simple signals for system identification

Annus, Paul; Land, Raul; Min, Mart; Ojarand, Jaan Fourier transform - signal processing 2012 / p. 257-276 : ill
https://cdn.intechopen.com/pdfs/35223/InTech-Simple_signals_for_system_identification.pdf

Simplified DFT with sorted accumulation of input samples

Märtens, Olev BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 329-332 : ill

Some new aspects of digital filtering

Trump, Tõnu 1993 http://www.ester.ee/record=b1065194*est

Surrogate data method requires end-matched segmentation of electroencephalographic signals to estimate non-linearity

Päeske, Laura; Bachmann, Maie; Pöld, Toomas; Oliveira, Sara Pereira Mendes de; Lass, Jaanus; **Raik, Jaan; Hinrikus, Hiie** Frontiers in physiology 2018 / 1350 ; 9 p. : ill <https://doi.org/10.3389/FPHYS.2018.01350> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The dynamics of signals with spread spectrum in sensor arrays, some aspects of digital beamforming

Ruuben, Toomas 2nd European Conference on Antennas and Propagation : EuCAP 2007 : 11-16 November 2007 EICC, Edinburgh, UK 2007 / [8] p. : ill <https://ieeexplore.ieee.org/document/4458732>

The influence of lime-containing additives on the thermal behaviour of ammonium nitrate

Kaljuvee, Tiit; Edro, Evelin; Kuusik, Rein, keemik Book of abstracts : MEDICTA 2007 : the 8th Mediterranean Conference on Calorimetry and Thermal Analysis : September 25th - September 29th, 2007, Palermo, Italy 2007 / p. 210
<https://link.springer.com/content/pdf/10.1007/s10973-007-8769-1.pdf>

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>

TMS320F28069-based impedance spectroscopy with binary excitation

Rist, Marek; Reidla, Marko; Min, Mart; Parve, Toomas; Märten, Olev; Land, Raul EDERC 2012 : proceedings of the 5th European DSP in Education & Research Conference : 13-14 September 2012, Amsterdam, The Netherlands 2012 / p. 217-220
<https://ieeexplore.ieee.org/document/6532258>

Wear resistance analysis of duplex interpenetrating ceramic composites via in-situ vibration monitoring

Kariminejad, Arash; Auriemma, Fabio; Antonov, Maksim; Klimczyk, Piotr; Hussainova, Irina International journal of refractory metals and hard materials 2026 / art. 107454 <https://doi.org/10.1016/j.jrmhm.2025.107454>

Алгоритмы сокращенного вычисления дискретного преобразования Фурье

Arro, Ilmar Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1990 / 3, lk. 230-235

Алгоритмы, программы, спецпроцессоры многомерного дискретного преобразования Фурье : автореферат ... кандидата технических наук (05.13.01)

Trump, Tõnu 1990 http://www.ester.ee/record=b1258282*est

Анализ ошибок алгоритмов сокращенного вычисления дискретного преобразования Фурье для арифметики с фиксированной запятой

Trump, Tõnu Методы и алгоритмы цифровой обработки сигналов 1988 / с. 54-63

Графическое представление алгоритма сокращенного вычисления дискретного преобразования Фурье

Arro, Ilmar Методы и средства измерения, преобразования и обработки информации : [сборник статей] 1987 / с. 8-18: ил https://www.ester.ee/record=b1272013*est

Гудовские преобразования сигналов в систолических структурах

Gurjanov, Boris; Tamm, Uljas; Lavrov, Mihhail; Belkina, I. I. Измерение и моделирование в электронике 1987 / с. 125-131

Динамические модели прогнозирования урожайности в виде гармонической функции

Malmsaar, Rainer Интенсификация и эффективизация производства 1989 / с. 101-120

Матрицы Фурье и обобщенная форма прямого произведения

Gurjanov, Boriss Машинное проектирование электронных устройств и систем 1989 / с. 25-32

Матрицы Фурье на обобщенном ядре

Gurjanov, Boris; Belkina, I. I. Методы и алгоритмы цифровой обработки сигналов 1988 / с. 70-75

О решении двумерных уравнений переноса переходных волновых процессов методом преобразования Фурье

Peipman, Tõnu; Engelbrecht, Jüri Вопросы прочности и оптимизации конструкций 1982 / с. 107-112 : рис https://www.ester.ee/record=b1304345*est

Подпрограммы сокращенного вычисления прямого и обратного дискретных преобразований Фурье

Arro, Ilmar; Smoljanski, Leonid Методы и средства измерения, преобразования и обработки информации : [сборник статей] 1987 / с. 19-38 : ил. https://www.ester.ee/record=b1272013*est

Сокращенное вычисление двумерного дискретного преобразования Фурье

Arro, Ilmar; Trump, Tõnu Методы и алгоритмы цифровой обработки сигналов 1988 / с. 45-53