

Application of the concept of fractal for the assessment of intense-deformed condition of an object

Derkach, E.; Tšistokletov, Aleksandr; Matsveyenka, N.; Baraškova, Tatjana Системи обробки інформації 2015 / p. 43-46 : ill

Application of the concept of fractal for the stress assessment of the condition of an object

Baraškova, Tatjana International journal of independent research studies 2016 / p. 8-13 : ill <http://dx.doi.org/10.20448/800.3.1.8.13>

Application of the improved method of grids with the estimation of accuracy

Gornostajev, Dmitri; Arjassov, Gennadi; Baraškova, Tatjana; Žigailov, Sergei Procedia engineering 2014 / p. 1443-1448 : ill
<https://doi.org/10.1016/j.proeng.2014.03.140> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development of the improved method of grids

Arjassov, Gennadi; Baraškova, Tatjana; Gornostajev, Dmitri; Petritšenko, Andres Annals of DAAAM for 2011 & proceedings of the 22nd International DAAAM Symposium "Intelligent Manufacturing & Automation : Power of Knowledge and Creativity" : 23-26 November 2011, Vienna, Austria 2011 / p. 565-566
https://www.researchgate.net/publication/367889054_Development_of_the_Improved_Method_of_Grids

Efficiency of diagnosing the condition of rolling bearings in real time

Baraškova, Tatjana; Shirokova, Veroonika Ukrainian metrological journal 2022 / p. 34-38 : ill <https://doi.org/10.24027/2306-7039.4.2022.276322>

Estimation of complex derivatives and application for fault diagnosis

Baraškova, Tatjana; Arjassov, Gennadi; Gornostajev, Dmitri Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium : Intelligent Manufacturing & Automation 2012 / p. 0469-0472 : ill. [CD-ROM]
https://www.daaam.info/Downloads/Pdfs/proceedings/proceedings_2012/109.pdf

Estimation of complex derivatives application for fault diagnosis

Baraškova, Tatjana; Pascualt, D. 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 19

Estimation of the improved method of grids and application for dynamic solution

Arjassov, Gennadi; Baraškova, Tatjana; Gornostajev, Dmitri DAAAM International scientific book 2013 2013 / p. 571-586 : ill
https://www.daaam.info/Downloads/Pdfs/science_books_pdfs/2013/Sc_Book_2013-031.pdf

Experience in an application of project-based learning to teaching of mechanical engineering and energy technology processes control

Höbesaar, Aleksei; Baraškova, Tatjana; Shirokova, Veroonika Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 417-428
https://doi.org/10.1007/978-3-030-68198-2_39 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Fault detecting accuracy of mechanical damages in rolling bearings

Kudelina, Karolina; Baraškova, Tatjana; Shirokova, Veroonika; Vaimann, Toomas; Rassõlkin, Anton Machines 2022 / art. 86
<https://doi.org/10.3390/machines10020086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Generalization of the method of finite differences

Arjassov, Gennadi; Baraškova, Tatjana; Gornostajev, Dmitri; Petritšenko, Andres Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20-23rd October 2010, Zadar, Croatia 2010 / p. 547-548 : ill
https://www.researchgate.net/publication/288134159_Generalization_of_the_method_of_finite_differences

Increasing the safety and efficiency of technical resources in the mining industry

Baraškova, Tatjana; Shirokova, Veroonika; Pascualt, Didier European International Journal of Science and Technology 2019 / p. 1-8 : ill <https://ejist.org.uk/articles/8.7.1.1-8.pdf>

Interlaboratory comparison of voltage transformer

Baraškova, Tatjana Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 11-14

L'experience de covariation entre des valeurs devant les mesures d'une tension alternative

Baraškova, Tatjana; Laaneots, Rein Proc. 12th International Metrology Congress : Lyon, France 2005 / [5] p

Mathematical methods for vibrations and their measurement

Arjassov, Gennadi; Baraškova, Tatjana Materials, methods & technologies 2009 / p. 272-280

Methods for estimating the damage factor of materials under the influence of plasma

Baraškova, Tatjana; Laas, T.; Pelõhh, Veroonika Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 462-467 : ill

Modelling of nonholonomic dynamical system

Arjassov, Gennadi; Baraškova, Tatjana Materials, methods & technologies 2009 / p. 281-286

Neuro-fuzzy approach for fault prediction of mechanical bearing faults using vibration analysis

Shirokova, Veroonika; Kudelina, Karolina; Raja, Hadi Ashraf; Rjabtšikov, Viktor; Baraškova, Tatjana; Nutonen, Karle IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society 2024 / p. 1-6 <https://doi.org/10.1109/IECON55916.2024.10905990> [Conference proceedings at Scopus](#) [Article at Scopus](#)

New opportunities in real-time diagnostics of induction machines

Baraškova, Tatjana; Kudelina, Karolina; Shirokova, Veroonika Energies 2024 / art. 3265 <https://doi.org/10.3390/en17133265>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New procedure for estimation of the physical values [Online resource]

Baraškova, Tatjana; Shirokova, Veroonika IJRDO - Journal of applied science 2018 / p. 27-30 : ill
<https://ijrdo.org/index.php/as/article/view/2432>

On the effect of correlation by the measurement of alternating voltage

Baraškova, Tatjana Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 3-1, p. 208-217 : ill

Realization of algorithm of formation and estimation of parameters of the group - working standard of a voltage of an alternating current

Baraškova, Tatjana International Symposium on Machine Design OST 2001 : [Tallinn, Estonia, October 4-5, 2001] : abstracts 2001 / [1] p

Research of the effect of correlation at the measurement of alternating voltage = Korrelatsiooni mõju uurimine vahelduvpinge mõõtmisel

Baraškova, Tatjana 2006 http://www.ester.ee/record=b2208758*est

Software for the fundamental analysis of vibration

Ermak, A.; Leht, R.; **Baraškova, Tatjana** XIV Международный научно-технический семинар Неопределенность измерений : научные, нормативные, прикладные и методические аспекты : UM-2017 : тезисы докладов : Созополь, 8 сентября 2017 = XIV International Scientific and Technical Seminar Measurement Uncertainty : Scientific, Normative, Applied and Methodical Aspects : UM-2017 : theses of reports : Sozopol, September 8, 2017 2017 / p. 42-43

The importance of order correlation

Baraškova, Tatjana Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 124-126

The way of realization of algorithm of formation and estimation of parameters of the group - working standard of variable voltage

Baraškova, Tatjana OST-01 Symposium on Machine Design : Tallinn, Estonia, October 4-5, 2001 : proceedings 2001 / p. 175-181

Using of the correlation analysis in the electrical measurements

Baraškova, Tatjana OST-03 Symposium on Machine Design 2003 / p. 156-164

Virumaa kolledž sai viienda doktori : [tehniliste distsipliinide lektoraadi juhataja Tatjana Baraškova sai doktorikraadi TTÜst : T.Baraškova ja V.Andrejevi kommentaaridega]

Voropajeva, Niina; **Baraškova, Tatjana; Andrejev, Viktor** Põhjarannik 2006 / lk. 4 : fot

Методы оценок ковариаций при измерении переменного напряжения

Baraškova, Tatjana Системи обработки інформації 2006 / с. 7-10

Мультифрактальный анализ материалов, подверженных коррозии

Pirujev, K.; **Baraškova, Tatjana; Shirokova, Veroonika** XIV Международный научно-технический семинар Неопределенность измерений : научные, нормативные, прикладные и методические аспекты : UM-2017 : тезисы докладов : Созополь, 8 сентября 2017 = XIV International Scientific and Technical Seminar Measurement Uncertainty : Scientific, Normative, Applied and Methodical Aspects : UM-2017 : theses of reports : Sozopol, September 8, 2017 2017 / с. 81-82

Неопределенность результата измерения

Baraškova, Tatjana; Laaneots, Rein 2003 http://www.ester.ee/record=b1840779*est