

### **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

### **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

### **Efficiency of diagnosing the condition of rolling bearings in real time**

**Baraškova, Tatjana; Shirokova, Veronika** 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](https://www.daaam.info/Downloads/Pdfs/proceedings/proceedings_2012/109.pdf)

### **Estimation of complex derivatives application for fault diagnosis**

**Baraškova, Tatjana**; Pascault, 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

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

**Höbesaar, Aleksei; Baraškova, Tatjana; Shirokova, Veronika** 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](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, Veronika; 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](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, Veronika**; Pascault, Didier European International Journal of Science and Technology 2019 / p. 1-8 : ill <https://ejst.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, Veronika** 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

#### **New opportunities in real-time diagnostics of induction machines**

**Baraškova, Tatjana; Kudelina, Karolina; Shirokova, Veronika** Energies 2024 / art. 3265 <https://doi.org/10.3390/en17133265>

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

**Baraškova, Tatjana; Shirokova, Veronika** 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](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

#### **Symbolic solution algorithms of mechanic matrix equations**

Arjassov, Gennadi; Baraškova, Tatjana; Petritšenko, Andres Annals of DAAAM for 2009 & proceedings of the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Theory, Practice and Education" : 25-28th November 2009, Vienna, Austria 2009 / p. 1701-1702 : ill

#### **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

#### **Uncertainty estimation of damage factor of materials properties under the plasma influence**

**Arjassov, Gennadi; Baraškova, Tatjana; Pelõhh, Veronika** Journal of international scientific publications : materials, methods & technologies 2010 / 2, p. 307-313 : ill

#### **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, Veronika** 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](http://www.ester.ee/record=b1840779*est)