

Accurate measurements of electrical conductivity of metals in the range from 2 MS/m to 14 MS/m

Parker, Martin; Pokatilov, Andrei; Raba, Karl; Kübarsepp, Toomas Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2012 / p. 700-704 : ill

Determination of electrical conductivity of metal plates using planar spiral coils

Kolyshkin, Andrei; Kübarsepp, Toomas; Märten, Olev; Pokatilov, Andrei Recent Advances in Systems : proceedings of the 13th International Conference of Systems 2009 / p. 545-550

Development of automated measurement setup for standard resistors

Pokatilov, Andrei; Kübarsepp, Toomas BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 161-162

Development of national standard for voltage unit based on solid-state references = Pinge mõõdühiku riigietaloni arendamise Zener-tüüpi etalonpingeallikate baasil

Pokatilov, Andrei; Kübarsepp, Toomas 2008 https://www.ester.ee/record=b2425069*est

Eddy current electrical conductivity measurements for temperature measurements

Parker, Martin; Pokatilov, Andrei; Kübarsepp, Toomas 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 259-260 : ill

Eddy current validation of Euro-coins

Gordon, Rauno; Märten, Olev; Land, Raul; Min, Mart; Rist, Marek; Gavrijaševa, Alina; Pokatilov, Andrei; Kolyshkin, Andrei Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 3 2012 / p. 47-63 : ill

Effect of keysight 3458A jitter on precision of phase difference measurement

Pokatilov, Andrei; Kübarsepp, Toomas; Vabson, Viktor IEEE transactions on instrumentation and measurement 2016 / p. 2595-2600 : ill <https://doi.org/10.1109/TIM.2016.2593965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrical conductivity and mechanical properties of Cu-0.7wt% Cr and Cu-1.0wt% Cr alloys processed by severe plastic deformation

Kommel, Lembit; Pokatilov, Andrei IOP conference series : materials science and engineering 2014 / p. 1-7 : ill <https://doi.org/10.1088/1757-899X/63/1/012169> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Establishment of national standard of voltage unit in Estonia

Pokatilov, Andrei; Kübarsepp, Toomas BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 157-160

Fast precise eddy current measurement of metals

Märten, Olev; Land, Raul; Min, Mart; Rist, Marek; Annus, Paul; Pokatilov, Andrei 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/I2MTC.2018.8409781>

Grid-based computational algorithm for accurate AC conductivity measurements

Pokatilov, Andrei; Parker, Martin; Kübarsepp, Toomas; Märten, Olev; Kolyshkin, Andrei 16th International Congress of Metrology 2013 / p. 1-4 : ill

High-accuracy eddy current measurements of metals

Märten, Olev; Land, Raul; Rist, Marek; Pokatilov, Andrei 2014 IEEE International Workshop On Metrology For Aerospace : May 29-30, 2014, Benevento, Italy : proceedings 2014 / p. 155-160 : ill

High-attenuation tunnel-type detector for calibration of single-photon devices

Kübarsepp, Toomas; Pokatilov, Andrei; Vabson, Viktor; Dhoska, Klodian Proceedings of NEWRAD 2014 2014 / p. 115-116 : ill

Inhomogeneity correction in calibration of electrical conductivity standards

Pokatilov, Andrei; Parker, Martin; Kolyshkin, Andrei; Märten, Olev; Kübarsepp, Toomas Measurement 2013 / p. 1535-1540 : ill <https://doi.org/10.1016/j.measurement.2012.12.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of planar coil for eddy current conductivity measurements in wide frequency range

Parker, Martin; Pokatilov, Andrei; Kübarsepp, Toomas; Märten, Olev; Kolyshkin, Andrei 19th Symposium IMEKO TC 4 Symposium and 17th IWADC Workshop Advances in Instrumentation and Sensors Interoperability, July 18-19, 2013, Barcelona, Spain 2013 / p. 55-59

Method for obtaining linear spectral responsivity of InGaAs-photodetector in the NIR wavelength range

Pokatilov, Andrei; Parker, Martin; Kübarsepp, Toomas; Vabson, Viktor; Vendt, Riho; Ansko, Ilmar; Manoocheri, Farshid BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 31-34 : ill http://www.ester.ee/record=b2150914*est

Parallel investigation of double forged pure tungsten samples irradiated in three DPF devices

Gribkov, V. A.; **Shirokova, Veronika; Pokatilov, Andrei; Parker, Martin** Journal of nuclear materials 2015 / p. 341-346 : ill
<https://doi.org/10.1016/j.jnucmat.2014.11.080> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Precise eddy current impedance measurement of metal plates

Märtens, Olev; Gordon, Rauno; Rist, Marek; Min, Mart; Pokatilov, Andrei; Kolyshkins, A. Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 1 2011 / p. 43-45
<https://www.taylorfrancis.com/chapters/edit/10.1201/b11339-10/precise-eddy-current-impedance-measurement-metal-plates-m%C3%A4rtens-gordon-rist-min-pokatilov-kolyshkins>

Precise eddy current measurements : improving accuracy of determining of electrical conductivity of metal plates

Märtens, Olev; Land, Raul; Gordon, Rauno; Min, Mart; Rist, Marek; Pokatilov, Andrei Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 4 2014 / p. 109-115 : ill

Standard for voltage unit : development of national standard for voltage unit based on solid-state references

Pokatilov, Andrei 2010 <https://www.amazon.com/Standard-Voltage-Unit-Development-Solid-State/dp/3838357396>

Traceability of voltage and resistance measurements in Estonia

Pokatilov, Andrei; Kübarsepp, Toomas Transverse Disciplines in Metrology : proceedings of the 13th International Metrology Congress : 2007, Lille, France 2009 / p. 533-542 <https://onlinelibrary.wiley.com/doi/abs/10.1002/9780470611371.ch46>