Fişa de verificare a îndeplinirii standardelor minimale
Ştiinţe inginereşti
Inginerie Electronică şi Telecomunicaţii

1. Indicatorii I_1 şi P

Numărul publicaţiei	Referinţa bibliografică	s_i	n_i	p_i	s_i/n_i	s_i/p_i
1.	D. Belega, D. Petri, "Accuracy Analysis of the Multicycle Synchrophasor Estimator Provided by the Interpolated DFT Algorithm," IEEE Transactions on Instrumentation and Measurement, vol. 62, no. 5, pp. 942-953, May 2013, ISSN 0018-9456, DOI: 10.1109/TIM.2012.223677	0,74306	2	1	0,37153	0,74306
2.	D. Belega, D. Petri, "Statistical Performance of the Effective-Number-of-Bits Estimators Provided by the Sine-Fitting Algorithms," IEEE Transactions on Instrumentation and Measurement, vol. 62, no. 3, pp. 633-640, March 2013, ISSN 0018-9456, DOI: 10.1109/TIM.2012.2218679	0,74306	2	1	0,37153	0,74306
3.	D. Belega, "Accuracy analysis of the normalized frequency estimation of a discrete-time sine-wave by the average-based interpolated DFT method," Measurement, vol. 49, no. 1, pp. 593-602, Jan. 2013, ISSN 0263-2241, DOI: 10.1016/j.measurement.2012.08.019	0,70523	1	1	0,70523	0,70523
4.	D. Belega, D. Petri, D. Dallet, "Noise Power Estimation by the Three-Parameter and Four-Parameter Sine-Fit Algorithms," IEEE Transactions on Instrumentation and Measurement, vol. 61, no. 12, pp. 3234-3240, Dec. 2012, ISSN 0018-9456, DOI: 10.1109/TIM.2012.2205511	0,74306	3	1	0,24768	0,74306
5.	D. Belega, D. Petri, "Accuracy analysis of the amplitude estimation of a sine-wave by the energy-based method using the direct and indirect procedures," Measurement, vol. 45, no. 9, pp. 2264-2274, Nov. 2012, ISSN 0263-2241, DOI: 10.1016/j.measurement.2012.03.007	0,70523	2	1	0,35261	0,70523
6.	D. Belega, D. Dallet, D. Petri, "Accuracy of the Normalized Frequency Estimation of a Discrete-Time Sine-Wave by the Energy-Based Method," IEEE Transactions on Instrumentation and Measurement, vol. 61, no. 1, pp. 111-121, Jan. 2012, ISSN 0018-9456, DOI: 10.1109/TIM.2011.2159318	0,74306	3	1	0,24768	0,74306

7.	D. Belega, D. Dallet, D. Petri, "Statistical description of the sine-wave frequency estimator provided by the interpolated DFT method," Measurement, vol. 45, no. 1, pp. 109-117, Jan. 2012, ISSN 0263-2241 DOI: 10.1016/j.measurement.2011.09.010	0,70523	3	1	0,23507	0,70523
8.	D. Belega, D. Dallet, D. Petri, "A High-Performance Procedure for Effective Number of Bits Estimation in Analog-to-Digital Converters," IEEE Transactions on Instrumentation and Measurement, vol. 60, no. 5, pp. 1522-1532, May 2011, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2089151	0,74306	3	1	0,24768	0,74306
9.	D. Belega, D. Dallet, D. Petri, "Accuracy of Sine Wave Frequency Estimation by Multipoint Interpolated DFT Approach," IEEE Transactions on Instrumentation and Measurement, vol. 59, no. 11, pp. 2808-2815, Nov. 2010, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2060870	0,74306	3	1	0,24768	0,74306
10.	D. Belega, D. Dallet, D. Slepicka, "Accurate Amplitude Estimation of Harmonic Components of Incoherently Sampled Signals in the Frequency Domain," IEEE Transactions on Instrumentation and Measurement, vol. 59, no. 5, pp. 1158-1166, May 2010, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2045144	0,74306	3	1	0,24768	0,74306
11.	D. Belega, D. Dallet, "Amplitude Estimation by a Multipoint Interpolated DFT Approach," IEEE Transactions on Instrumentation and Measurement, vol. 58, no. 5, pp. 1316-1323, May 2009, ISSN 0018-9456, DOI: 10.1109/TIM.2009.2012950	0,74306	2	1	0,37153	0,74306
12.	D. Belega, D. Dallet, "Multifrequency signal analysis by interpolated DFT method with maximum sidelobe decay windows," Measurement, vol. 42, no. 3, pp. 420-426, April 2009, ISSN 0263-2241, DOI: 10.1016/j.measurement.2008.08.006	0,70523	2	1	0,35261	0,70523
13.	D. Belega, D. Dallet, "Normalized frequency estimation for accurate dynamic characterization of A/D converters by means of the three-parameters sine-fit algorithm," Measurement, vol. 41, no. 9, pp. 986-993, Nov. 2008, ISSN 0263-2241, DOI: 10.1016/j.measurement.2008.01.010	0,70523	2	1	0,35261	0,70523
14.	D. Belega, D. Dallet, "Frequency estimation via weighted multipoint interpolated DFT," IET Science Measurement & Technology, vol. 2, no 1, pp. 1-8, Jan. 2008, ISSN 1751-8822 DOI: 10.1049/iet-smt:20070022	0,57518	2	1	0,28759	0,57518
15.	D. Belega, M. Ciugudean, D. Stoiciu, "Choice of the cosine-class windows for ADC dynamic testing by spectral analysis," Measurement, vol. 40, no. 4, pp. 361-371, May 2007, ISSN 0263-2241, DOI: 10.1016/j.measurement.2006.06.016	0,70523	3	1	0,23507	0,70523

16.	D. Belega, D. Dallet, "Dynamic testing of A/D converters by means of the three-parameter sine-fit algorithm," Measurement, vol. 40, no. 1, pp. 1-7, Jan. 2007, ISSN 0263-2241, DOI: 10.1016/j.measurement.2006.05.013	0,70523	2	1	0,35261	0,70523
					I_1	P
Total:					**5,22639**	**11,45627**
Valori minime necesare:					**4**	**2**

2. Indicatorul C

Numărul publicației care citează	Referința bibliografică a publicației k care citează	s_k	$\sum_k s_k$	n_i	$\frac{1}{n_i}\sum_k s_k$
D. Belega, D. Dallet, "Dynamic testing of A/D converters by means of the three-parameter sine-fit algorithm," Measurement, vol. 40, no. 1, pp. 1-7, Jan. 2007, DOI: 10.1016/j.measurement.2006.05.013		**0,74306**	**0,74306**	2	**0,37153**
1.	N. M. Vucjijak, L. V. Saranovac, "A Simple Algorithm for the Estimation of Phase Difference Between Two Sinusoidal Voltages," IEEE Transactions on Instrumentation and Measurement, vol. 59, no. 12, pp. 3152-3158, Dec. 2010, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2047155.	0,74306			
D. Belega, D. Dallet, "Frequency estimation via weighted multipoint interpolated DFT," IET Science Measurement & Technology, vol. 2, no 1, pp. 1-8, Jan. 2008, DOI: 10.1049/iet-smt:20070022		**7,87612**	**7,87612**	2	**3,93805**
1.	J. Hui, H. Yang, W. Xu, Y. Liu "A Method to Improve the Interharmonic Grouping Scheme Adopted by IEC Standard 61000-4-7," IEEE Transactions on Power Delivery, vol. 27, no. 2, pp. 971-979, Apr. 2012, ISSN 0885-8977, DOI: 10.1109/TPWRD.2012.2183394	1,06444			
2.	H. Wen, Z. Teng, Y. Wang, "Simple Interpolated FFT Algorithm Based on Minimize Sidelobe Windows for Power-Harmonic Analysis" IEEE Transactions on Power Electronics, vol. 26, no. 9, pp. 2570-2579, Sep. 2011, ISSN 0885-8993, DOI:10.1109/TPEL.2011.2111388.	1,75418			
3.	A. Baccigalupi, M. D'Arco, A. Liccardo, M. Vardusi "Testing high resolution DACs: A contribution to draft standard IEEE P1658," Measurement, vol. 44, no. 6, pp. 1044-1052, ISSN 0263-2241, DOI: 10.1016/j.measurement.2011.03.003	0,70523			
4.	J. Borkowski, J. Mroczka, "LIDFT method with classic data windows and zero padding in multifrequency signal analysis," Measurement, vol. 43, no. 10, pp. 1595-1602, Dec. 2010, ISSN 0263-2241, DOI: 10.1016/j.measurement.2010.09.001	0,70523			
5.	K. F. Chen, L. S. Mei, "Composite Interpolated Fast Fourier Transform With the Hanning Window ," IEEE Transactions on Instrumentation and Measurement, vol. 59, no. 6, pp. 1571-1579, June 2010, ISSN 0018-9456, DOI: 10.1109/TIM.2009.2027772.	0,74306			

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6.	K. F. Chen, T. J. Jiang, S. Crowsen, "Against the long-range spectral leakage of the cosine window family," Computer Physics Communications, vol. 180, no. 6, pp. 904-911, ISSN 0010-4655, DOI: 10.1016/j.cpc.2008.12.019	2,16092		
7.	T. Radil, M. P. Ramos, A. C. Serra, "New Spectrum Leakage Correction Algorithm for Frequency Estimation of Power System Signals," IEEE Transactions on Instrumentation and Measurement, vol. 58, no. 5, pp. 1670-1679, May 2009, ISSN 0018-9456, DOI: 10.1109/TIM.2009.2014506.	0,74306		
D. Belega, D. Dallet, "Multifrequency signal analysis by interpolated DFT method with maximum sidelobe decay windows," Measurement, vol. 42, no. 3, pp. 420-426, April 2009, DOI: 10.1016/j.measurement.2008.08.006		**4,9019**	**2**	**2,45095**
1.	Q. Miao, L. Cong, M. Pecht, "Identification of multiple characteristic components with high accuracy and resolution using the zoom interpolated discrete Fourier transform," Measurement Science & Technology, vol. 22, no. 5, May 2011, ISSN 0957-0233, DOI: 10.1088/0957-0233/22/5/055701	1,47934		
2.	I. Kamwa, A. K. Pradhan, G. Joos, "Adaptive Phasor and Frequency-Tracking Schemes for Wide-Area Protection and Control," IEEE Transactions on Power Delivery, vol. 26, no. 2, pp. 744-753, Apr. 2011, ISSN 0885-8977, DOI: 10.1109/TPWRD.2009.2039152	1,06444		
3.	L. Huibin, D. Kang, "Energy based signal parameter estimation method and a comparative study of different frequency estimators," Mechanical Systems and Signal Processing, vol. 25, no. 1, pp. 452-464, Jan. 2011, ISSN 0888-3270, DOI: 10.1016/j.ymssp.2010.08.009	2,35812		
D. Belega, D. Dallet, "Amplitude Estimation by a Multipoint Interpolated DFT Approach," IEEE Transactions on Instrumentation and Measurement, vol. 58, no. 5, pp. 1316-1323, May 2009, DOI: 10.1109/TIM.2009.2012950		**4,3795**	**2**	**2,186975**
1.	K. Duda, B. Leszek, M. Majewski, T. P. Zielinski "DFT-based Estimation of Damped Oscillation Parameters in Low-Frequency Mechanical Spectroscopy," IEEE Transactions on Instrumentation and Measurement, vol. 60, no. 11, pp. 3608-3618, Nov. 2011, ISSN 0018-9456, DOI: 10.1109/TIM.2011.2113124.	0,74306		
2.	H. Wen, Z. Teng, Y. Wang, X. Hu "Simple Interpolated FFT Algorithm Based on Minimize Sidelobe Windows for Power-Harmonic Analysis,"IEEE Transactions on Power Electronics, vol. 26, no. 9, pp. 2570-2579, Sep. 2011, ISSN 0885-8993, DOI: 10.1109/TPEL.2011.2111388.	1,75418		
3.	I. Sadinezhad, V. G. Agelidis, "Slow sampling on-line harmonics/interharmonics estimation technique for smart meters," Electric Power Systems Research, vol. 81, no. 8, pp. 1643-1653, Aug. 2011, ISSN 0378-7796, DOI: 10.1016/j.epsr.2011.04.006	1,13365		

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4.	K. Duda, "DFT Interpolation Algorithm for Kaiser-Bessel and Dolph-Chebyshev Windows," IEEE Transactions on Instrumentation and Measurement, vol. 60, no. 3, pp. 784-790, March 2011, ISSN 0018-9456, DOI: 10.1109/TIM.2011.2046594.	0,74306		
D. Belega, D. Dallet, D. Petri, "Accuracy of Sine Wave Frequency Estimation by Multipoint Interpolated DFT Approach," IEEE Transactions on Instrumentation and Measurement, vol. 59, no. 11, pp. 2808-2815, Nov. 2010, DOI: 10.1109/TIM.2010.2060870		**2,6152**	3	**0,87173**
1.	H. Wen, Z. Teng, Y. Wang, X. Hu "Spectral Correction Approach Based on Desirable Sidelobe Window for Harmonic Analysis of Industrial Power System," IEEE Transactions on Industrial Electronics, vol. 60, no.3 , pp. 1001-1010, March 2013, ISSN 0278-0046, DOI: 10.1109/TIE.2012.2189531	1,87214		
2.	A. Ferrero, S. Salicone, S. Toscani, "A Fast, Simplified Frequency-Domain Interpolation Method for the Evaluation of the Frequency and Amplitude of Spectral Components," IEEE Transactions on Instrumentation and Measurement, vol. 60, no. 5, pp. 1579-1584, May 2011, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2090051.	0,74306		
D. Belega, D. Dallet, D. Slepicka, "Accurate Amplitude Estimation of Harmonic Components of Incoherently Sampled Signals in the Frequency Domain," IEEE Transactions on Instrumentation and Measurement, vol. 59, no. 5, pp. 1158-1166, May 2010, DOI: 10.1109/TIM.2010.2045144		**3,63089**	3	**1,21029**
1.	S. K. Jain, S. N. Singh, "Fast Harmonic Estimation of Stationary and Time-Varying Signals Using EA-AWNN", IEEE Transactions on Instrumentation and Measurement, vol. 62, no. 2, pp. 335-343, Feb. 2013, ISSN 0018-9456, DOI: 10.1109/TIM.2012.2217637.	0,74306		
2.	H. Wen, Z. Teng, Y. Wang, "Simple Interpolated FFT Algorithm Based on Minimize Sidelobe Windows for Power-Harmonic Analysis,"IEEE Transactions on Power Electronics, vol. 26, no. 9, pp. 2570-2579, Sep. 2011, ISSN 0885-8993, DOI: 10.1109/TPEL.2011.2111388.	1,75418		
3.	S. K. Jain, S. N. Singh, "Harmonics estimation in emerging power system: Key issues and challenges," Electric Power Systems Research, vol. 81, no. 9, pp. 1754-1766, Sep. 2011, ISSN 0378-7796, DOI: 10.1016/j.epsr.2011.05.004	1,13365		
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Total:				**11,0295**
Valoare minimă necesară:				**5**

Timişoara, 15.06. 2013

Daniel-Cornel Belega