

International Journal of Innovative Technology and Exploring Engineering

ISSN : 2278 - 3075

Website: www.ijitee.org

Volume-5 Issue-11, APRIL 2016

Published by:

Blue Eyes Intelligence Engineering and Sciences Publication Pvt. Ltd.



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S. No	Volume-5 Issue-11, April 2016, ISSN: 2278-3075 (Online) Published By: Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd.		Page No.	
1.	Authors:	K. Ashok Reddy		
	Paper Title:	A Survey of Entropy Generation in a Helical Coil Heat Exchanger		
	<p>Abstract: In this technical paper, the review of literature for entropy generation in a helical coil heat exchanger was presented. The pressure drop, friction factor, heat transfer rates and flow distribution like velocity and temperature field are essential properties to control the entropy generation in a heat exchanger process are fairly presented in this article.</p> <p>Keywords: entropy, heat transfer, friction factor</p> <p>References:</p> <ol style="list-style-type: none"> 1. Shaukat Ali Pressure drop correlations for flow through regular helical coil tubes Fluid Dynamics Research, V 28(4),2015 2. T. H. Ko Numerical Investigation of Laminar Forced Convection and Entropy Generation in a Helical Coil with Constant Wall Heat Flux Numerical Heat Transfer, Part A: Applications: An International Journal of Computation and Methodology V 49(3), 2006 pp- 257-278 3. T.H. Ko, , K. Ting Entropy generation and thermodynamic optimization of fully developed laminar convection in a helical coil International Communications in Heat and Mass Transfer V 32(2), 2005, pp-214–223 4. T.H. Ko Thermodynamic analysis of optimal mass flow rate for fully developed laminar forced convection in a helical coiled tube based on minimal entropy generation principle Energy Conversion and Management V 47(19), 2006, pp-3094–3104 5. T.H. Ko Thermodynamic analysis of optimal curvature ratio for fully developed laminar forced convection in a helical coiled tube with uniform heat flux International Journal of Thermal Sciences V 45(7), 2006, pp-729–737 6. Mohammad Ahadi, Abbas Abbassi Entropy generation analysis of laminar forced convection through uniformly heated helical coils considering effects of high length and heat flux and temperature dependence of thermophysical properties Energy V 82(3), 2015,pp-322– 7. T.H. Ko, , K. Ting Optimal Reynolds number for the fully developed laminar forced convection in a helical coiled tube Energy, V31(12), 2006, pp-2142–2152 8. T.H. Ko, , K. Ting Entropy generation and thermodynamic optimization of fully developed laminar convection in a helical coil International Communications in Heat and Mass Transfer Volume 32, Issues 1–2, 2005, pp- 214–223 9. Jiangfeng Guo, , Xiulan Huai Numerical investigation of helically coiled tube from the viewpoint of field synergy principle Applied Thermal Engineering V 98(5), 2016, pp-137–143 10. M. Hasanuzzaman,, R. Saidura, and N.A. Rahim Effectiveness Enhancement Of Heat Exchanger By Using Nanofluids 2011 IEEE First Conference on Clean Energy and Technology CET 11. M. Mohanraj, S. Jayaraj , C. Muraleedharan Applications of artificial neural networks for thermal analysis of heat exchangers e A review International Journal of Thermal Sciences V 90 2015 pp-152 12. M.A. Khairul , R. Saidur , M.M. Rahman , M.A. Alim , A. Hossain , Z. Abdin Heat transfer and thermodynamic analyses of a helically coiled heat exchanger using different types of nanofluids International Journal of Heat and Mass Transfer V 67 2013 pp-398–403 			1-3
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Paper Title:	Intelligent Waste Collection System			
2.	<p>Abstract: Now a day, there are a number of techniques used for waste collection. In this system, there is lift container for the collection of garbage in residential area. To give a brief description of the project, the sensors are placed in the storage area, when the garbage reaches the level of sensor; the controller will give indication to the driver of garbage collection truck that the garbage bin is completely filled and needs urgent attention. Indication is done by sending SMS using GSM technology.</p> <p>Keywords: Garbage level sensor, GSM technology, SMS.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Gaikwad Prajakta , Jadhav Kalyani, Machale Snehal,”Smart Garbage Collection System In Residential Area”,IJRET ,2015 2. Kanchan Mahajan , Prof. J.S. Chitode,” Waste Bin Monitorin System Using Integreated Technologies”,IITRSET,2014. 3. Islam, M.S. Arebey, M. ; Hannan, M.A. ; Basri, H.,”Overview for solid waste bin monitoring and collection system” Innovation Management and Technology Research (ICIMTR), 2012 International Conference , Malacca, 258 – 262 4. Raghumani Singh, C. Dey, M. Solid waste management of Thoubal Municipality, Manipur- a case study Green Technology and Environmental Conservation (GTEC 2011), 2011 International Conference Chennai 21 – 24. 5. Latifah, A., Mohd, A. A.,& NurIlyana, M. (2009).solid waste management in Malaysia: Practices and challenges. Waste Management, 29,2902-2906. 6. Vicentini, F. Giusti, A., Rovetta, A., Fan, X., He, Q., Zhu, M., & Liu, B. (2008). Sensorized waste collection container for content estimation and collection optimization. Waste Management.29, 1467-1472 			4-6
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	Paper Title:	Implementation of Gaussian- Elimination		
3.	<p>Abstract: Gaussian elimination is an algorithm for solving systems of linear equations, can also use to find the rank of any matrix ,we use Gaussian Jordan elimination to find the inverse of a non singular square matrix. This work gives basic concepts in section (1) , show what is pivoting , and implementation of Gaussian elimination to solve a system of linear equations. Section (2) we find the rank of any matrix. Section (3) we use Gaussian elimination to find the inverse of a non singular square matrix. We compare the method by Gauss Jordan method. In section (4) practical implementation of the method we inherit the computation features of Gaussian elimination we use programs in Matlab software.</p> <p>Keywords: Gaussian elimination, algorithm Gauss, Jordan, method, computation, features, programs in Matlab, software.</p> <p>References:</p>			7-19
	Authors:	Awatif M.A. Elsiddeig		
	Paper Title:	Implementation of Gaussian- Elimination		

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4.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Authors:</td> <td>Vyshali V Nayak</td> </tr> <tr> <td>Paper Title:</td> <td>Efficient Speaker Verification Algorithm using Spectral Characteristics</td> </tr> </table> <p>Abstract: Speaker recognition is a recognition purpose that articulates words. The speaker recognition process relies on physical structure of an individual's person's vocal tract and the behavioral characteristics of the individual. Speaker verification is evolved with the technologies of speech recognition and speech synthesis because of the similar characteristics in the voice and challenges associated with it. Speaker recognition has two forms which is text dependent or text independent. In text dependent method a particular phrase or password is stored into the system, whereas in text independent method the speaker will not be aware that his voice is being collected. In the proposed algorithm, speech signal has been recorded in the database. And the speaker is verified using the input the speaker provides by comparing with the database. The time domain, frequency domain and power domain features of the speech is extracted. For validating the performance, a comparative analysis has been carried out with various other methods. These methods exhibit some unique behavior.</p> <p>Keywords: Spectral Characteristics, Speech Recognition, Text Dependent, Text Independent</p> <p>References:</p> <ol style="list-style-type: none"> 1. Douglas A. Reynolds and Larry P. Heck, "Automatic Speaker Recognition: Recent Progress, Current Applications and Future Trends", 19 February 2000, http://www.ll.mit.edu/IST/pubs/aaas00-dar-pres.pdf 2. Joseph P. Campbell, "Speaker Recognition", Identification in Networked Society, 1999 3. Samudravijaya K, "Speech and Speaker Recognition: A Tutorial", 2001 4. Bojan Imperl, "Speaker recognition techniques", Maribor, Slovenia, 2000 5. Rosenberg, "L16: Speaker recognition", Benesty, 2008 6. W. M. Campbell, D. E. Sturim, and D. A. Reynolds, "Support Vector Machines Using GMM Supervectors for Speaker Verification", IEEE Signal Processing Letters, vol. 13, no. 5, may 2006 7. Md Jahangir Alam, Pierre Ouellet, Patrick Kenny, Douglas O'Shaughnessy, "Comparative Evaluation of Feature Normalization Techniques for Speaker Verification", Springer, 2011 8. Santosh K. Gaikwad, Bharti W. Gawali, Pravin Yannawar, "A Review on Speech Recognition Technique", International Journal of Computer Applications (0975 – 8887), Volume 10– No.3, November 2010 9. Zhang Wanli, Li Guoxin, "Application of Improved Spectral Subtraction Algorithm for Speech Emotion Recognition", IEEE Fifth International Conference, 2015 10. Luciana Ferrer, Yun Lei, Mitchell McLaren, and Nicolas Scheffer, "Study of Senone-Based Deep Neural Network Approaches for Spoken Language Recognition" IEEE/ACM Transactions, 2015 11. S. K. Singh, "Features and Techniques for Speaker Recognition", 2003 12. W. M. Campbell, D. E. Sturim, and D. A. Reynolds, "Support Vector Machines Using GMM Supervectors for Speaker Verification", IEEE Signal Processing Letters, vol. 13, no. 5, may 2006 	Authors:	Vyshali V Nayak	Paper Title:	Efficient Speaker Verification Algorithm using Spectral Characteristics	20-26
Authors:	Vyshali V Nayak					
Paper Title:	Efficient Speaker Verification Algorithm using Spectral Characteristics					
5.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Authors:</td> <td>Nanda P, Josephine Prem Kumar</td> </tr> <tr> <td>Paper Title:</td> <td>A Survey on QOS Improvement in Wireless Mesh Network</td> </tr> </table> <p>Abstract: Wireless mesh Network (WMN) is rapidly catching momentum in developing countries like India for providing seamless internet services and for disaster time emergency networking. QOS is one of the hurdles for acceptance of WMN because as more people start using the network for internet services, latency, session drops, and packet loss are noticed. Many solutions for improving QOS in terms of placement of components, QOS based routing, cross layer optimizations, MAC layer scheduling etc. are proposed to improve the QOS. In this work, we review all these solutions and problems in these solutions for large scale acceptance of WMN.</p> <p>Keywords: (WMN), QOS, WMN, MAC, Wireless</p> <p>References:</p> <ol style="list-style-type: none"> 1. Anis Ouni, Herv'e Rivano, Fabrice Valois, Catherine Rosenberg. Energy and Throughput Optimization of Wireless Mesh Network with Continuous Power Control. [Research Report] RR- 7730, 2013, pp.27. 2. Mathilde Benveniste "A Distributed QoS MAC Protocol for Wireless Mesh" The Second International Conference on Sensor Technologies and Applications, 2008. 3. Kwan-Wu Chin, Sieteng Soh, Chen Meng, " A Novel Spatial TDMA Scheduler for Concurrent Transmit Receive WMN" 24th IEEE International Conference on Advanced Information Networking and Applications, 2010. 4. Mauro Leoncini, Paolo Santi, Paolo Valente, "An STDMA Based Framework for QoS Provisioning in Wireless Mesh Network", IEEE 2008. 5. Jaydip Sen "A Throughput Optimizing Routing Protocol for Wireless Mesh Networks". 12th IEEE International Conference on High Performance Computing and Communications. 2010. 6. Catalan-Cid M, Ferrer JL, Gomez C, Paradells J: Contention- and interference-aware flow-based routing in wireless mesh networks: design and evaluation of a novel routing metric. EURASIP J. Wirel. Commun. Netw. 2010; 2010: 1-20. 7. Xi Fang "Consort: Node-Constrained Opportunistic Routing in wireless mesh networks" INFOCOM, 2011 Proceedings IEEE. 8. T. Le, N. G. Nguyen, and D. H. Nghia, "A novel PSO-based algorithm for gateway placement in wireless mesh networks," in Proc, 3 rd IEEE International Conference on Communication Software and Networks (ICCSN), China, 2011, pp. 41-46 9. Mojtaba Seyedzadegan "Internet Gateway Placement Optimization in Wireless Mesh Networks" Springer August 2013 10. Awadallah, Hashim and A. Hashim , Aisha Hassan (2015) A genetic approach for gateway placement in wireless mesh networks. Journal of Computer Science and Network Security, 15 (7). pp. 11-19. ISSN 1738-7906 11. Wangkit Wong "Optimizing Router Placement for Wireless Mesh Deployment" IEEE ICC 2014 - Mobile and Wireless Networking Symposium 12. J. Wang, K. Cai, and D. R. Agrawal, "A multi-rate based router placement scheme for wireless mesh networks," in Mobile Adhoc and Sensor Systems, 2009. MASS'09. IEEE 6th International Conference on. IEEE, 2009, pp. 100-109. 	Authors:	Nanda P, Josephine Prem Kumar	Paper Title:	A Survey on QOS Improvement in Wireless Mesh Network	27-29
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	<p>13. Wireless Communications & Signal Processing (WCSP), 2013 International Conference IEEE</p> <p>14. Ernst, J.B "Cross-Layer Mixed Bias Scheduling for Wireless Mesh Networks" Communications (ICC), 2010 IEEE International Conference</p> <p>15. Cheng, M "Cross-Layer Schemes for Reducing Delay in Multihop Wireless Networks" Wireless Communications, IEEE Transactions on 2012</p> <p>16. Xiang Li "Cross-Layer Routing Metric for Wireless Mesh Networks" Third International Conference, ICICA 2012, Chengde, China, September 14-16, 2012.</p>					
6.	<table border="1"> <tr> <td data-bbox="119 219 335 257">Authors:</td> <td data-bbox="335 219 1412 257">Sudha Kushwaha, Sourabh Pandey</td> </tr> <tr> <td data-bbox="119 257 335 324">Paper Title:</td> <td data-bbox="335 257 1412 324">Analysis of Compressed Sending Time-Frequency Training OFDM for Improved Performance of the System</td> </tr> </table>	Authors:	Sudha Kushwaha, Sourabh Pandey	Paper Title:	Analysis of Compressed Sending Time-Frequency Training OFDM for Improved Performance of the System	
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Paper Title:	Analysis of Compressed Sending Time-Frequency Training OFDM for Improved Performance of the System					
	<p>Abstract: Orthogonal frequency division multiplexing is widely recognized as the one important technology in broadband wireless communication systems. In wireless communication orthogonal frequency division multiplexing render higher spectral efficiency as well as enhanced performance over fast fading channel. The time domain synchronous orthogonal frequency division multiplexing also offers enhanced spectral efficiency compared to cyclic prefix orthogonal frequency division multiplexing. But interference cancellation problem degrades performance loss in high speed communication channel. The compressed sending based channel estimation increases the spectral efficiency by using time delay and reducing number of pilot symbols. This paper proposes a new scheme called compressed sending time frequency training orthogonal frequency division multiplexing. This scheme uses training information in time and frequency domain. The simulation shows that the proposed scheme outperforms TFT orthogonal frequency division multiplexing, cyclic prefix orthogonal frequency division multiplexing and TDS orthogonal frequency division multiplexing in high speed mobile environments.</p> <p>Keywords: Wireless, Frequency, Channel, Multiplexing, Pilot, Training</p> <p>References:</p> <ol style="list-style-type: none"> 1. D. linglong, Z.Wang and Z.Yang , "Time-Frequency Training OFDM with High Spectral Efficiency and Reliable Performance in High Speed Environments" IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, VOL. 30, NO. 4,pp-695-707, MAY 2012. 2. F. Adachi and E. Kudoh, "New direction of broadband wireless technology," Wireless. Communication Mob. Com., vol. 7, no. 8, pp. 969–983, Oct. 2007. 3. X. Yuan, Q. Guo, X. Wang, and L. Ping, "Evolution analysis of low cost iterative equalization in coded linear systems with cyclic prefixes," IEEE J. Sel. Areas Communication, vol. 26, no. 2, pp. 301–310, Feb. 2008. 4. B. 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7.	<table border="1"> <tr> <td data-bbox="119 1982 335 2020">Authors:</td> <td data-bbox="335 1982 1412 2020">Kumar Harsha, Anupam Saikia</td> </tr> <tr> <td data-bbox="119 2020 335 2080">Paper Title:</td> <td data-bbox="335 2020 1412 2080">Elliptic Curves on Finite Fields</td> </tr> </table> <p>Abstract: This paper explores the algebraic properties of elliptic curves over finite fields. Elliptic curves are being widely used in modern cryptographic techniques. The rational points on an elliptic curve obey group theoretic laws.</p>	Authors:	Kumar Harsha, Anupam Saikia	Paper Title:	Elliptic Curves on Finite Fields	35-40
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Paper Title:	Elliptic Curves on Finite Fields					

	<p>As such, computing the order of these groups forms the basis of more complex computations. The first section of this paper deals with the basic group properties of rational points on elliptic curves and an introduction to projective geometry. In the second, algorithms for computing multiplication maps are explained. The later section has point counting algorithms followed by code snippets in SAGE. Also included, is a section on some unsolved problems in the domain.</p> <p>Keywords: Elliptic curves, SAGE.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Joseph H. Silverman & John Tate, Rational Points on Elliptic Curves, Springer-Verlag New York, 1992, pp. 15–64. 2. Lawrence C. Washington, Elliptic Curves - Number theory and Cryptography. Chapman and Hall/CRC, 2008, pp. 77-102. 3. Darrin Doud, "A procedure to calculate torsion of Elliptic Curves over \mathbb{Q}" Manuscripta Mathematica, November 1997. 4. Celine Maistret, "Computations on the Birch and Swinnerton-Dyer conjecture for elliptic curves over pure cubic extensions" [Master's Thesis/Online], Concordia University, Canada, August 2012, Available: https://www2.warwick.ac.uk/fac/sci/math/people/staff/maistret/maistret_msc_f2012.pdf 5. Andrew Sutherland, 18.783 Elliptic Curves, Spring 2013, Massachusetts Institute of Technology: MIT Open Course Ware.[Online], 2013, Available: http://ocw.mit.edu/courses/mathematics/18-783-elliptic-curves-spring-2013/index.htm Wikipedia Contributors, Elliptic curve[Online], October 11, 2014, Available: http://en.wikipedia.org/w/index.php?title=Elliptic_curve&oldid=629180339 							
8.	<table border="1"> <tr> <td data-bbox="119 571 335 616">Authors:</td> <td data-bbox="335 571 1412 616">Albekova A. Sh., Tuksaitova R.O., Omarova G.T., Tleugazina Sh.S.</td> </tr> <tr> <td data-bbox="119 616 335 660">Paper Title:</td> <td data-bbox="335 616 1412 660">The National, Ethnic and Cultural Identity of Russian and Kazakh languages</td> </tr> <tr> <td colspan="2" data-bbox="119 660 1412 929"> <p>Abstract: In the scientific article the ethno-linguistic aspect of kinship terminology of the Russian and Kazakh languages is considered. It is known that a national, ethnic and cultural identity finds its most vivid expression in terms of the language which is directly correlated with the extra-linguistic reality. In theory of ethno-linguistic it is stated that some words in the language do not reflect linguistic and social structures. That differentiation of the Kazakh and Russian languages vocabulary on the background is a valuable linguistically. The establishment of the semantic matching of terms and cultural realities of the Russian and Kazakh peoples is certainly relevant and interesting research. Relationship is the concept of social, historical, ethnic, and its development is caused not only by general laws but by culture of the ethnic group too.</p> <p>Keywords: definition, ethno-linguistic, ethnic culture, kinship terminology, language, terminology of property.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Ushinsky K.D. Selected pedagogical works. M., 1954. 2. Orazgalieva F.Sh. National-cultural connotation of the words denoting no consanguinity. // Proceedings of the international national - practical conference. Karaganda: Publishing house of the University, 2002. 3. Explanatory Dictionary of the Russian language. Ed. by Professor D.N. Ushakov. - M., 1935-1940. Vol. I-IV. 4. Ozhegov S.I. Dictionary of the Russian language -M. : Russian language. 1989. - p.924. 5. Small Dictionary of the Russian language V.V. Lopatin, L.E. Lopatina. - M. : 1990. 6. Explanatory Dictionary of the Kazakh language. Ed. by Kenesbayev. - Almaty: 1959. Vol. I-II. 7. Explanatory Dictionary of the Kazakh language. Ed. by A.Y. Yskakov. - Almaty: 1982. Vol. I-II. </td> </tr> </table>	Authors:	Albekova A. Sh., Tuksaitova R.O., Omarova G.T., Tleugazina Sh.S.	Paper Title:	The National, Ethnic and Cultural Identity of Russian and Kazakh languages	<p>Abstract: In the scientific article the ethno-linguistic aspect of kinship terminology of the Russian and Kazakh languages is considered. It is known that a national, ethnic and cultural identity finds its most vivid expression in terms of the language which is directly correlated with the extra-linguistic reality. In theory of ethno-linguistic it is stated that some words in the language do not reflect linguistic and social structures. That differentiation of the Kazakh and Russian languages vocabulary on the background is a valuable linguistically. The establishment of the semantic matching of terms and cultural realities of the Russian and Kazakh peoples is certainly relevant and interesting research. Relationship is the concept of social, historical, ethnic, and its development is caused not only by general laws but by culture of the ethnic group too.</p> <p>Keywords: definition, ethno-linguistic, ethnic culture, kinship terminology, language, terminology of property.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Ushinsky K.D. Selected pedagogical works. M., 1954. 2. Orazgalieva F.Sh. National-cultural connotation of the words denoting no consanguinity. // Proceedings of the international national - practical conference. Karaganda: Publishing house of the University, 2002. 3. Explanatory Dictionary of the Russian language. Ed. by Professor D.N. Ushakov. - M., 1935-1940. Vol. I-IV. 4. Ozhegov S.I. Dictionary of the Russian language -M. : Russian language. 1989. - p.924. 5. Small Dictionary of the Russian language V.V. Lopatin, L.E. Lopatina. - M. : 1990. 6. Explanatory Dictionary of the Kazakh language. Ed. by Kenesbayev. - Almaty: 1959. Vol. I-II. 7. Explanatory Dictionary of the Kazakh language. Ed. by A.Y. Yskakov. - Almaty: 1982. Vol. I-II. 		41-42
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