

مقدمة

يمثل الكشف دليل منهجي للمواد أو الأفكار التي تشمل عليها إحدى الموضوعات ونقل هذه المواد أو الأفكار المحللة بواسطة مدخل مرتب في نظام معروف للبحث مثل الترتيب الهجائي أو الترتيب الزمني أو الرقمي ويتم هذا من خلال عملية الكشف ويقصد بها عملية خلق المداخل في الكشافات أو اعداد المداخل التي تقود للوصول الى المعلومات في مصادره وتتضمن العملية فحص الوثيقة , تحليل المحتوى , تحديد مؤشرات المحتوى اضافة مؤشرات المكان وتجميع المداخل , وجاء هذا استكمالا الى الأعمال التكتشفية السابقة تم اعداد عدا الكشاف وتناولنا فيه تكشيف دورية واحدة وهي (مجلة هندسة الخوارزمي) من العام 2005-2009 المجلد الأول العدد الأول – المجلد الخامس العدد الثاني , وتضمنت البيانات الآتية :-

Accession Number	- رقم التسجيلية
Research Number	- عنوان البحث
Auther	- اسم الباحث
Journal Title	- عنوان المجلة
year, volume , number , page	- بيانات النشر (السنة , المجلد , العدد , عدد الصفحات)
	- الكلمات المفتاحية Key Words

وذلك لمساعدة الباحثين والمستفيدين للوصول الى المعلومات والأبحاث الواردة في مجلة هندسة الخوارزمي بالسرعة الممكنة وفق متطلبات الحاجة البحثية اليها .

وتضمن الكشف ملحقين الأول ملحق باسماء الباحثين ويمثل جدول مرتب هجائيا باسمائهم مدرجة أمامهم أرقام عنوان البحث في الكشف مع ذكر العدد والمجلد والسنة , والملحق الثاني كشف بالعناوين يمثل جدول مرتب هجائيا بعناوين البحوث مع ذكر العدد والمجلد والسنة .

أهمية الكشافات وتتمثل في النقاط التالية :-

- القدرة على تقديم كم هائل من المعلومات الجديدة للباحثين حول عدد هائل من مصادر المعلومات في مجالات مختلفة.
- كما أنها حلقة اتصال بين الباحث عن المعلومات من ناحية ومصادر المعلومات من ناحية أخرى .
- أنها تساعد الباحثين في الحصول على المعلومات من مصادرها الأصلية بأسرع وقت وأقل جهد ممكن، أي تحيط الباحث علماً بما نشر من نتاج فكري في مجال اهتمامه .
- أن الكشافات سهلة الاستعمال للباحثين عن المعلومات وفي بعض الأحيان تكون الكشافات مرافقة للمصادر نفسها وتشكل جزءاً أساسياً منها .
- قدرة على الإجابة عن استفسارات كثيرة.
- تُعرف الباحث المجالات الموضوعية لتخصصه وطبيعة العلاقات بين هذه الموضوعات .
- أنها توسع اهتمامات الباحث ومعارفه.
- يمكن أن يكون لها الدور الفعال في عملية التقييم واختيار المواد المكتبية المختلفة من مصادر المعلومات المختلفة شكلاً وموضوعاً .
- يمكن الاعتماد عليها في عمل الدراسات التاريخية والدراسات المقارنة والدراسات الببليوغرافية وغيرها من الدراسات المسحية والتحليلية للنتاج الفكري من عدة زوايا واتجاهات .
- تعين الباحث أو الدارس على التحقق من المعلومات والعمل على استكمالها أو تصحيحها.
- تعتبر الكشافات أكثر قدرة على تحليل مضمون أوعية المعلومات.

أنواع الكشافات :-

تتحدد أنواع الكشافات بناءً على طبيعة مداخلها وكذلك طريقة التنظيم أو الترتيب لهذه المداخل وتتمثل أنواع الكشافات في الآتي :-

- 1- كشاف المؤلفين Author Index .
- 2- كشاف العناوين Title index .
- 3- الكشاف الموضوعي الهجائي ALphabetical subject .
- 4- الكشاف القاموسي Dictionary Index .
- 5- الكشاف المترابط Coordinat Index .
- 6- كشاف التباديل للعناوين permuted Title Index .

- 7- كشف النصوص Concordances Index .
- 8- الكشف المصنف Classified Index .
- 9- الكشف الوجهي Faceted Index .
- 10- كشف الاستشهادي المرجعي Citation Index .
- 11- الكشف التسلسلي Chain Index .

أشكال الكشف :-

1- الكشف الكتابي :-

يظهر في نهاية الكتاب وهو عبارة عن قائمة بالمصطلحات المتخصصة والفنية التي في نص الكتاب وأمام كل مصطلح رقم الصفحة ورقم السطر الذي يظهر فيه المصطلح ... الخ

2- الكشف الميكروفيلمي :-

وهو عبارة عن استنساخ فوتوغرافي مصغر لبيانات الكشف , ويجب ان تكبر ليتم قراءتها بواسطة جهاز قراءة للأشكال المصغرة .

3- الكشف الآلي :-

وتسمى الكشافات الآلية بقواعد المعلومات الآلية , بحيث تقرأ بيانات الكشف بالنظام المباشر on Line ... الخ

MFN:0001SAR_2.MST

Research Title : The Determination of Critical - Sampling Scheme of Preprocessing for Multiwavelets Decomposition as 1 and 2 Orders of Approximations

Authers : W . A . Mahmoud * Z . J . M . Saleh ** N . K . Wafi

Journal Title : Al-khwarizmi Engineering journal

Volume:1 , Number:1, Year:2005, Page : 1 – 133

Key Words : multiwavelets , scalar wavelets , repeated row , GHM filter , Geronimo , Hardian , orthogonality , symmetry , compact support , critically sampled scheme , DMWT , matrix

MFN:0002SAR_2.MST

Research Title : Human Face Recognition Using GABOR Filter And Different Self Organizing Maps Neural Networks

Author : Dr . Tarik Zeyad

Journal Title : AL-Khwarizmi Engineering Journal

Volume : 1, Number : 1 , Year : 2005 , Page:1 – 133

Key Words : self organization maps (SOM) , Gabor filters , algorithm implemented , arbitrary images , involves classification , parallel structure , SOMneural network , quantum principle , frequency resolution , , mathematical model

MFN:0003SAR_2.MST

Research Title: A New Approach for Designing Multi Information Management System Using XML Technology

Author :Dr . Suha Mohammed Hadi

Journal Title : AL-Khwarizmi Engineering Journal

Volume:1 , Number : 1 , Year : 2005 , Page:1- 133

Key Words : XML Technology , data modeling , corporate memory , human - readable , client server , software program , data types , limits , enumerated lists , ASCII

MFN:0004SAR_2.MST

Research Title : Speech Signal Compression Using Wavelet And Linear Predictive Coding

Authers : Dr . Tarik Zeyad , Ahlam Hanoon

Journal Title : AL-Khwarizmi Engineering Journal

Volume:1, Number:1, Year : 2005 , Page:1 – 133

Key Words : Wavelet , speech coding , linear predictive coding , levinson durbin , Haar , windowing , dyadic , form , autocorrelation method , predication parameter , L - D algorith

MFN:0005SAR_2.MST

Research Title: Stress Analysis of the Hip Bone

Authers: Dr . Akram Abood Jaffar * Dr . Sadiq Jaffar Abass

Journal Title : AL-Khwarizmi Engineering Journal

Volume:1 , Number : 1 , Year : 2005 , Page:1 – 133

Key Words : bony pelvis , lower limbs , geometric form , materrial properties , load direction , auricular surface , lunate suface , symphysis pubis , anasys parametric , von mises method , anterior , superior part , hip bone , finite element analysis

MFN:0006SAR_2.MST

ResearchTitle: An Expermental Study of Capillary Tubes Behavior With R - 12 and R - 134 a

Authers : Issam M . Ali Hani A.Jasim

Journal Title: AL-Khwarizmi Engineering Journal

Volume:1 , Number:1 , Year:2005 , Page:1 – 133

Key Words : capillary tubes , R - 12 , R134 a , discharge , speed of evaporator fan , CFC , HCFC ,adiabatic capillary , traditional refrigerants , digital thermomrter , HP hermtic

MFN:0007SAR_2.MST

Research Title : The Effect of Restriction Shape On Laminar Natural Convection Heat Transfer In A Vertical Circular

Authers : Dr . Yasin K . Salman * Hussein Ahmed Mohammed

Journal Title : AL-Khwarizmi Engineering Journal

Volume : 1 ,Number : 1 , Year : 2005 , Page:1 – 133

Key Words : Heat transfer , laminar natural convection , laminar natural convection , restriction shape , vertical circular tube , thermal convection heat , solid surface , forced convection , isothermal , numerical verifications , grashof number , thermocouples

MFN:0008SAR_2.MST

Research Title : The Effect of Oil and Filer on the Porosity of lead Acid Battery Separators Produced From Polyethylene

Authers : Dr . Malek Mustafa Mohammed * Zyad Rafea Zair

Journal Title : AL-Khwarizmi Engineering Journal

Volume:1 , Number:1 , Year :2005 , Page:1 – 133

Key Words : polyethylene (HDPE), Lead acid battery , silica , dioctylphthalate , paraffin , porosity , sulfate theory , gladstone , quartz silica , urthumma quarry , dioctylphthalate , polyethylene

MFN:0009SAR_2.MST

Research Title : Removal of Oil from Wastewater Using Walnut – Shell

Authers : Dr . Zainab Ziad Ismail

Journal Title : AL-Khwarizmi Engineering Journal

Volume:1 , Number:1 , Year:2005 , Page:1 – 133

Key Words : walnut - shell , Adsorption , oil removal , wastewater , air flotation , coagulants and flocculants , flat sheet tubular , gasoline and diesel engines , typical ph , synthetic chemical materials , oily aqueous , phenol.

MFN:0010SAR_2.MST

Research Title : Kenetic and Mechanism of Oxidation of Oxalic Acid by Cerium

Author : Dr . Ammar J.Mohammed

Journal Title : AL-Khwarizmi Engineering Journal

Volume:1 , Number:1 , Year:2005 , Page:1 – 133

Key Words : kinetic , oxidation , oxalic acid , cerium sulphate , acid meedium sulphuric acid , uv - vis spectrophotometric , lanthanides elements , sulphuric acid , stoichmetric measurements , iodometric , titration , methyl malonic acid , carboxylic acid

MFN:0011SAR_2.MST

Research Title : Fuzzy Wavenet (FWN)classifier for medical images

Authers : Dr . Walid .A.Mahmoud , Dr.A.barsoum Entather Maahos

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:2 , Year:2005 , Page:1 – 103

Key Words : wavelet theory , neural networks , fuzzy theory , wafelet transformation , mathematical , construct , mimic biological

MFN:0012SAR_2.MST

Research Title : Human Face Recognition Using Wavelet Network

Authers : Dr . Tarik Zeyad

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number : 2 , Year : 2005 , Page:1 – 103

Key Words : discrete wavelet transform , WSOM , back propagation , global information , neural network , physiological research , squashiing , mathematical analysis , fourier transform , laplace , hough , sigmoidal function , back propagation , frequency domain , self organizing maps , prameters , orthogonality

MFN:0013SAR_2.MST

Research Title : FPGA Realization of Two - Dimensional Wavelet and Wavelet Packet Transform

Authers : Dr . Walid A.Mahmoud Dr . Mohammed N . AL - Turfi

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number : 2,Year : 2005 ,Page:1 – 103

Key Words : FPGA,wavelet transform , wavelet packet transform , programmable gate , scal integrated circuits , orthonormal , filter tree decomposition , system c4 , system c5 , Xilinx foundation

MFN:0014SAR_2.MST

Research Title : Fuzzy control of mobile robot in slippery environment

Authers : Dr . Nabil Hassan Hadi

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number: 2 , Year: 2005 , Page:1 – 103

Key Words : mobile robot , fuzzy control , sojourner martain , chernobyl disaster , PI - type FL , dynamic model , automotive control , whell - ground contact model , creep - effect , kinematics model , gravitation , field , human operator , slipping diagnostics , accelerometers

MFN:0015SAR_2.MST

Research Title : The Timoshenko Three - Beams Technique To Estimate The Main Elastic Of Orthotropic Homogeneous Materials

Author: Dr . Kamal K . M . Saify * Dr . Adnan N . J . AL - Temimy ** Dr . Muhsin J . J

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number : 2 , Year : 2005 , Page:1 – 103

Key Words : orthotropic properties , timoshenko , poissons ratio , elastic constant , deobald , gibson , beam , mathematical scheme

MFN:0016SAR_2.MST

Research Title : Design Programmable system for amaodes and Effect Analysis of Steam - Power Plant Based on the Fault Tree Analysis

Authers: Soroor K.Hussain AL - Khafaji Dr . Nihad M.A.AL - Rahman Dr . Zuhair I . Ahmad AL - dauod

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:2 , Year:2005 , Page:1 – 103

Key Words : thermal generating , maintenance technology , gas turbines , steam turbines , computerizing diagnostic system , method of fault tree , FTA technique , industrial system , qualitative analysis , diagnostic expert system , boiler , turbine generator shaft , crude oil , auxiliary transformer , spec 200 control system , oil pressure control system

MFN:0017SAR_2.MST

Research Title : Free Vibration Analysis for Dynamic Stiffness Degradation of Cracked Cantilever Plate

Authers : Dr : Hussain A . Dawood Oday . I.Abdullah

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:2 , Year:2005 , Page:1 – 103

Key Words : dynamic analysis technique , cracked cantilever , free vibration , cantilever plates , satellite booms , quantitative global , dynamic tolerance , carnaege studied , Holzer method , Myklestad method , , stiffness degradation , numerical methodology technique , elastic modulus

MFN:0018SAR_2.MST

Research Title : Mathematical Modeling for the Clarifier Units Turbidity Parameters in AL - KARAMA Treatment Plant

Authers : Hayder Mohammed Abdul - Hamed

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:2 , Year:2005 , Page:1 – 103

Key Words:atmosphere , tchobanoglous and burton , thermometer , PH,hydrodynamic , disequilibrium , , mathematical modeling , alkalinity , experimenta , simulation , human activities

MFN:0019SAR_2.MST

Research Title : التعريف البارامتري لمحرك التيار المستمر ذو المغناطيس الدائم

Author : د . شيرين فائق عبد الكريم

Journal Title : مجلة الخوارزمي الهندسية

Volume : 2 , Number : 2 , Year:2005 , Page:1 - 9

Key Words : شبكة ايلمان العصبية المعدلة , خوارزمية الانتشار المعاكس , نظرية تعريف النظم , اللابارامتري , البارامتري , الخوارزمية الجينية , لغة (MATLAB) , عزم القصور الذاتي , عامل التخمد الميكانيكي , الطبقة القرنية , خوارزمية الأنحدار التجريبية , معادلة حالة الفضاء , معامل التعلم , النمذجة المتوالية - المتوازية , قيمة المحادثة

MFN:0020SAR_2.MST

Research Title : Biomecheeanical Aspects of Shoulder and Hip Articulations : A Comparison of Two Ball and Socket Joints

Author : Dr . Akram Abood Jaffar Dr . Sadiq Jaffar Abass Mustafa Qusay Ismael

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:1 , Year:2006 , Page:1 - 97

Key Words : hip joints , shoulder , dried scapula , humerus , femur , dental wax , finite element analysis , anatomical point , biomechanics , articular surface , gleniod cavity , curvature of the articular surfaces , testometric machine , model geometry

MFN:0021SAR_2.MST

Research Title : AStudy Of Stengthening Circular Diaphragm By Ring - Shaped Concentric Ribs

Author : Dr . Somer M . Nacy Dr . Hikmat AL - Rawi Mohammed M . hASSAN

Journal Title : AL-Khwarizmi Engineering Journal

Volume : 2 , Number : 1 , Year : 2006 , Page :1 – 97

Key Words : stresses and deflections circular , diaphragm , microvalves , microphones , geometric effects , numerical techniques , finite element analysis , CADsystem , dynamic analysis

MFN:0022SAR_2.MST

Research Title : Microcontroller - Based Spectrum Analyzer

Author : Omar H . Hamad Dr . Ismail A . Mohammed Ameera A . Salman

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:1 , Year:2006 , Page:1 – 97

Key Words : spectrum analyzer , random signals , algorithm , FFT , economical laboratory , analyzer hardware , CPU hardware , memory management and arrays initialization , data memory sram , anti aliasing , filtering circuit , microprocessor , EEPROM

MFN:0023SAR_2.MST

Research Title : Design and Implementation of a Proposal Network Firewall

Authors : Deah J .Kadhim Walid K . Hussain

Journal Title : AL-Khwarizmi Engineering Journal

Volume: 2 , Number: 2 , Year : 2006 , Page : 1 – 97

Key Words : firewall , filtering specification , TCP port number , encapsulation , SOCKS,IP subnet , powerful graphical , block traffic , permit traffic , packet filtering firewall , circuit level firewall , application layer firewall , dynamic packet filter firewall , firewall architecture , dual homed architecture , screened host , architecture , screened subnet architecture

MFN:0024SAR_2.MST

Research Title : Direction Finding Using GHA Neural Networks

Authors : N . H . Abbas

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:1 , Year:2006 , Page:1 - 97

Key Words : neural network , arrival (DOA), GHA algorithm , likelihood (ML)technique , variance method , capon method , neural estimator , synaptic weight , pca neural network

MFN:0025SAR_2.MST

Research Title : Design And Implementation of Microcontroller Based Curing Light Control of Dental System

Authers : ALi hussein hamed

Journal Title:AL-Khwarizmi Engineering Journal

Volume:2 , Number:1 , Year:2006 , Page:1 – 97

Key Words :microcontroller based electronic , dental curing system , 8 - bit MCS - 51 microcontroller , pwm technique , utilize analogue source , watt halogen lamp , power transistor , polymerization , D.Cpower , halogen lamp

MFN:0026SAR_2.MST

Research Title : Extraction of Chlorophyll from Alfalfa Olant

Authers :Dr . Ahmed Jawad Dr . Isam Kamal Ali Khalid Khudair AL - Jomaily

Journal Title:AL-Khwarizmi Engineering Journal

Volume:2 , Number:1 , Year:2006 , Page:1 – 97

Key Words :chlorophyll , mixture of green pigments , carotenoid group , alfalfa , parameters , extraction , dehydrated alfalfa , ball mill , 50 - mesh screen , atmospheric distillation , cylindrical vessel , temperture conttroller , molecular diffusion , solid particles , ethanol - water system , blending of hexane , toluene , phytol group

MFN:0027SAR_2.MST

Essay Title : Performance of Turbo-Codes witht Some Proposed Interleaver Schemes

Authers : Ahmed S.Hadi

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:2 , Year:2006 , Page:1-59

Key Words : glden interleavers,dithered golden interleavers,fading,multipath,impulse,RSCcode,pseudo-random,spread interleaver,turbo-codes,dual-termination,golden relative prime

MFN:0028SAR_2.MST

Research Title : Design@Implementation of High Switching@@Low phase Noise Frequency Synthesizer

Authers : ALi M.N.Hassan

Journal Title:AL-Kwarizmi Engineering Journal

Volume:2 , Number:2 , Year:2006 , Page:1-59

Key Words : frequency refrence,frequency synthesizer,telecommunication system,frequency modulation,strict requirements,standard notation of feedback theory,schematic diagram,phase frequency ,detector,antibacklash pulse,modulus prescalar

MFN:0029SAR_2.MST

Research Title : Buckling Analysis of Unidirectional Polymer Matrix Cposite Plates

Authers : Dr . Jawad Kadhim Uleiwi

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:2 , Year:2006 , Page:1-59

Key Words : buckling Analysis,critical load , theoretical analysis,buckling of ladminated,boundary condition and mesh generation , finite element analysis,orthotropic material,displacement and load boundry ,condition

MFN:0030SAR_2.MST

Research Title : Dynamic Analysis of Rotating Cantilever plates

Authers : Oday . I.Abdullah

Journal Title : AL-Khwarizmi Engineering Journal

Volume:2 , Number:2 , Year:2006 , Page:1-59

Key Words : finite element technique,cantilever beams,geometric stiffness,rotating plate,natural frequency,fundamental frequency,rayteigh energy method,strain energy , analytically,stretching motion,conventional modeling method , derivation of geometric stiffness matrixderivatios of carioles and ,supplementary

MFN:0031SAR_2.MST

Research Title : دراسة نظرية لامكانية زيادة القدرة الكهربائية المنتجة من المحطات البخارية في العراق

Authers : فلاح فاخر حاتم , مؤيد رزوقي حسن

Journal Title : مجلة الخوارزمي الهندسة

Number :2 , Year:2006, Volume:2 , Page :1-59

Key Words : مسخنات الضغط العالي , المرجل البخاري , التوربين البخاري , ضغوط الاستنزاف , الحمل الحراري , انثالي البخار , الاجهادات الحرارية , طارد الهواء , مولدات ديزل

MFN:0032SAR_2.MST

Research Title : لحام الفولاذ منخفض السبك DIN 15 M03 بطريقة اللحام النقطي بالقوس المعدني المحمي بالغاز

Authers : د . عدنان نعمة عبود د. نبيل كاظم عبد الصاحب عامر عبد الله طعمة

Journal Title : مجلة الخوارزمي الهندسية

Volume:2 , Number:2 , Year:2006 , Page:1-31

Key Words : طريقة الحام النقطي بالقوس المعدني , غاز MIG / MAG , غاز الاركون , المكافئ الكربوني , قابلية التصليد , طور المارتنسايت , طريقة القوس الكهربائي القصير , القوس الكهربائي الرشوي , غاز ثاني اوكسيد الكربون , الصلادة الدقيقة , غاز Ar , الفحص المجهرى , ارضية الفرايت , تجمعات البرلايت , منطقة حرارة WM , المنطقة المتأثرة بالحرارة HAZ , جهاز المجهر الماسح .

MFN:0033SAR_2.MST

Research Title : The Inverse Solution Of Dexterous Robot By Using Neural Networks

Authers : Dr . Bahaa Ibraheem Kazem Samer Yahya Hadi

Journal Title :AL- Khwarizmi Engineering Journal

Volume:3 , Number:1 , Year:2007 , Page:1-90

Key Words : inverse kinematics , redundant manipulators , conventional method , artificial neural network , ANN , trajectory planning , velocity , acceleration , geometrical , sliding joints

MFN:0034SAR_2.MST

Research Title : Design and Analysis of New Prosthetic Foot

Authers : Muhsin J.Jweeg, PhD Ahamed Ahamed A.AL-Beiruti, PhD Kadhim K.AL-Kinani, MSc

Journal Title: AL .Khwarizmi Engineering Journal

Volume:3 . Number:1 , Year:2007 , Page:1-90

Key Words : prosthetic foot solid ankle, polyethylene, dorsiflexion, energy return, fatigue mathematical solution , SACH foot , dorsi flexion, visual basic program, tensile test, theoretical procedure, air filter

MFN:0035SAR_2.MST

Research Title : An investigation into the performance counter rotating floating ring journal under different working condition

Authers : Dr . Basim A.Abass Dr . Adel A.Alwan Mustafs B . Hunain

Journal Title : AL-Kwarizmi Engineering Journal

Volume:2 , Number:35 , Year:2007 , Page:1-95

Key Words : isothermal finite bearing theory, parameters, counter rotating, floating ring, numerical analysis, fluid film forces, pressure distribution, tangential in, isothermal-finite bearing theory , radii ratio, equilibrium condition

MFN:0036SAR_2.MST

Research Title : An experimental comparative study between polypropylene and laminated lower limb prosthetic socket , cylindrical shape , nylon stockinette

Authers : Dr.Muhsin J.Jweeg Dr.Samira K.Radhi,

Journal Title: AL-Khwarizmi Engineering Journal

Volume:3 , Number:1 , Year:2007 , Page:1-89

Key Words : prosthetic , socket, polypropylene, stiffness, laminate, geometries, bielefeldt, molten , plastic, prototyping method, phenomenon, graphical method, offset method

MFN:0037SAR_2.MST

Research Title : Image restoration using regularized inverse filtering and adaptive threshold wavelet denoising , wavelet transform

Authors : Mr.Firas Ali

Journal Title: AL-Khwarizmi Engineering Journal

Volume:3 , Number:1 , Year:2007 , Page:1-90

Key Words : image restoration,statistical parameters,thresholding method,generalized inverted filter,generalized wiener filter,mathematical model,motion of atmospheric disturbance,mechanical systems,parametric Wiener filtering,denoising algorithm,approximation,detailed components,arithmetic mean and geometric

MFN:0038SAR_2.MST

Research Title : Laminar Natural Convection of Newtonian and Non-Newtonian Fluids Inside Triangular Enclosure

Author : Dr.ALaa Abbas Muhadi

Journal Title : AL-Khwarizmi Engineering Journal

Key Words : oil,modified Rayleigh number,Eyring model,momentum,physical model,coordinate system,isothermally cooled,Numerical method , finite differences method , isothermal walls , triangular , enclosure , dimensional parameter

Volume:3 , Number:1 , Year:2007 , Page:1-90

MFN:0039SAR_2.MST

Research Title: Low Cost Hardware Back Propagation Algorithm

Authors : Ammar A.Hassan

Journal Title : AL-Khwarizimi Engineering Journal

Volume:3 , Number:1 , Year:2007 , Page:1-90

Key Words : artificial neural , network topology , bipolar function , classic backpropagation algorithm , , synaptic weight , initial parameters , simulation the solution

MFN:0040SAR_2.MST

Research Title : Biomechanical concept Design of Artificial Human Hand

Authers : Sadiq Jafer Abbass , Farah Mohammed Rudah Masoud

Journal Title: AL-Khwarizmi Engineering Journal

Volume:3, Number:40 , Year:2007 , Page:1-96

Key Words : artificial human ,kinematics , analysis , prosthetic hand , dartfish , shape memory alloy , grips,extrinsic muscles , metacarpaphalengil , mathematical model hand grips , cylindrical grip , distal phalanx , proximal phalanx

MFN:0041SAR_2.MST

Research Title : Noise Removal of ECG Signal Using Recurive Least Square Algorithms

Authers : Noor K.Muhsin

Journal Title : AL-Khwarizmi Engineering Journal

Volume:3 . Number:2 , Year:2007 , Page:1-94

Key Words : adaptive digital filters,RLS algorithms , ECG signal , biomedical , matrex inversion lemma , methodology , prameters

MFN:0042SAR_2.MST

Research Title: Comparison of Practical Investigations for CO Emissions Emitted From Single Cyli dere S.I Engine Fueled With Different Kinds of Hydrocarbon Fuels and Hydrogen

Authers : Khalil Ibrahim Abass

Journal Title: AL-Kwarizmi Engineering Journal

Volume:3, Number:42 , Year:2007 , Page:1-95

Key Words : prtroleum oil , CO,organic compounds,gasoline , methan , hydrogen , LPG , atmospheric,nitrogen dioxide,carbon monoxide , organic compounds , dynamometer

MFN:0043SAR_2.MST

Research Title : Basement Kind Effects on Air Temperature of a Solar Chimney in Baghdad -Iraq Weathere

Authers : Miqdam Tariq Chaichan

Journal Title : AL-Kwarizmi Engineering Journalr

Volume:3 , Number:2 , Year:2007 , Page:1-93

Key Words : solar chimney,hydroelectric , photovoltaic,solar thermal,pebbles , storage efficiency , hironlabh , solar thermal , meteorology , earthquake , thermocouples , greenhouse effect

solar chimmey,

MFN:0044SAR_2.MST

Research Title :Implementation of Neural Control for Continuous Stirred Tank Reactor (CSTR)

Authers :Karima M.Putrus

Journal Title:AL-Khwarizmi Engineering Journal

Volume:3 , Number:2 , Year:2007 , Page:1-93

Key Words :analysis curve method , artificial neural , predictive control , neural network , nonlinear control , proportional , integral , derivative,horizon technique , predictive control , acetic acid , squares method , continuous tank reactor , analysis curve method

MFN:0045SAR_2.MST

Research Title : AFinite Element Analysis for Damaged Rotating Composite Blade

Authers : Ody I.Abdullah

Journal Title : AL-Kwaeizimi Engineering Journal

Volume:3, Number:2 , Year:2007 , Page:1-93

Key Words : finit elementmethod,nine node laminated,geometricstiffness,damaged rotating blade,aerospace technology , centrifugal forces,verification test,composite materials,velocity triangles,turbomachine,fluid dynamic

,

MFN:0046SAR_2.MST

Research Title : Study the Factor Effecting on Welding Joint of Dissimilar metals

Authers : Abdul wahab H.Khuder , Esam J . Ebraheam

Journal Title : AL-Kwarizmi Engineering Journal

Volume:3 , Number:2 , Year:2007 , Page:1-95

Key Words : austenitic stainless , carbon steel , MIG spot,weld dissimilar metals,chemical , petrochemical industries , coalescence , Agon , Helium , Crbon-dioxide,Helium,shielded gas

MFN:0047SAR_2.MST

Research Title : A Digital - Based Optimal A VR Design of Synchronous Generator Exciter Using L QR Technique

Author : Ibraheem Kasim Ibraheem

Journal Title : AL- kwarizmi Engineering Journal

Volume:3 , Number:2 , Year:2007 ,Page:1-95

Key Words :microprocessors,kalman filter,loop- shaping method,quantifier,VR,LQR,discrete algebraic , thermal storage , solar chimney , thermocouples

MFN:0048SAR_2.MST

Research Title : دراسة تأثير اضافة طين كازولين دويخلة والأومينا الى البوكسايت العراقي على بعض الخواص الفيزيائية والميكانيكية والحرارية

Author : آلاء علاء الدين

AL-Kwarizmi Engineering Journal : **Journal Title**

Volume:3 , Number:2 , Year:2007 , Page:1-95

Key Words : البوكسايت , الألومينا ,

MFN:0049SAR_2.MST

Research Title : Hydrodynamics,Mass and Heat Tranfer in Reactive Disitillation

Authers : Dr.Majid S.Radhaa,Dr.Khalid A.sukkar, Dr.Jamal M.ALi,Dr.Zaidoon M.Shakoor , and Niran Manwel

Journal Title:AL-Khwarizmi Engineering Journal

Volume:4 , Number:2 , Year:2008 , Page:97

Key Words : ethyl,ethanol,acetic acid,catalysts,reactive distillation,etherification,hydrolysis ,reactions,esterification , ethyl acetate , heterogeneous , exothermic reaction

MFN:0050SAR_2.MST

Research Title : Production of Protease Enzyme from Wheat Straw

Author : Dr . Mohammed A.Atiya

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:2 , Year:2008 , Page:1-97

Key Words : proteas enzyme , pharmaceutries , protein hydrolysates , sodiuom acetate , cetric acid,trichloroacetic acid , hydration , ph , solid state fermenter

MFN:0051SAR_2.MST

Research Title :Two Domain Flow Method for Leachate Prediction Through Municipal Solid Waste Layers in AL- Amari Landfill Site

Authers : Hayder Mohammed Abdul-Hameed

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:2 , Year:2008 ,Page:1-97

Key Words : theoretical , calibrated parameters , experimental method , methodology , hydraulic conductivity , ground water ,hydrology , soild waste landfills,two - domain flow

MFN:0052SAR_2.MST

Research Title : Time Series Analysis of Total Suspended Solids Concentrations in Euphrates River in AL-Nasria Province

Authers : Prof.Dr . Rafa AL-Suhaili , Ass.Lecturer . Tariq J.AL-Mosewi

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:2 , Year:2008 , Page:1-97

Key Words : mathematical statistics , stochastic numerical methods , methodology

MFN:0053SAR_2.MST

Research Title : pH-Control Problems of Wastewater Treatment Plants

Authers : Dr . G.M.ALwan

Journal Title : AL -Kwarizmi Engineering Journal

Volume:4 , Number:2 , Year:2008 , Page:1-97

Key Words : wastewater , toxicity , precipitation method , hydroxide , sulfide , alkalinity , dynamic modeling , , aquasil technology , heavy metals , PH-control

MFN:0054SAR_2.MST

Research Title : Optimum Design of Stiffened Plate- Structure Subjected to Static Loading

Author : Dr . Hatem H.AL-Taee , Dr . Adil A.AL-Moosawy , Mohammed A.AL-Shojary

Journal Title: AL-Kwarizmi Engineering Journal

Volume:4 , Number:2 , Year:2008 , Page:1-97

Indication Words : aeronautical engineering , mathematical , topology , deterministic , probabilistic , static analysis , ESO method , element parameters , morphing evolutionary , diagonal honeycomb , stiffened plate , , morphing ESO

MFN:0055SAR_2.MST

Research Title : Investigation of load and Pressure Distribution on Wing with Wake Rollup for Low Speed Aircraft

Author : Laith W . Ismail

Journal Title : AL- Kwarizmi Engineering Journal

Volume:4 , Number:2 , Year:2008 , Page:1-97

Key Words : aerodynamic , theoretical , source - vortex panel , dynamic presurer , boundray layer , vortex , shet

MFN:0056SAR_2.MST

Research Title : Dynamic Analysis of Thin Composite Cylindrical and Spherical Shells

Author : Qusai H . Jebur

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:2 , Year:2008 , Page:1-97

Key words : dynamic analysis , spherical shells , composite , axisymmetric , quasi - satatic , shell , isotropic spheroid , memberane theory , harmonic axisymmetric exitation

MFN:0057SAR_2.MST

Research Title : Semi - Active Damping of Mechanical Vibrating System Using Variable Stiffness Actuator

Author : Yarub Omer Naji AL- Azzawi

Journal Title : AL-Kwarizmi Engineering Journal

Volume: 4 , Number: 2 , Year:2008 , Page:1-97

Key Words : mechatronics , semi - active , astronomic , electrorheological

MFN:0058SAR_2.MST

Research Title : محاكاة التوزيع الحراري لوصلات اللحام النقطي (TIG Spot) لسبيكة المنيوم - مغنيسيوم باستعمال طريقة العناصر المحددة

Author : أ. م. د. منى خضير عباس , أ. د. عبد الحسين غانم المالكي , م. م. احلام عبد الأمير

Journal Title : مجلة الخوارزمي الهندسية

Volume:4 , Number:2 , Year:2008 , Page:1-97

Key Words : قطب التنكستن , القوس الكهربائي , طريق العناصر المحددة , سبيكة المنيوم - مغنيسيوم , دوال التقريب , مصفوفة الجساءة , نظرية الطاقة الكامنة القصوى ,

MFN:0059SAR_2.MST

Research Title : Design and Simulation of Gaussian FSK Transmitter in UHF Band Using Direct Modulation of E

Author : ALi Mohammed Noori Hasan

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : msiperheterodyne , non -heterodyne , prevalent method , sigma delta modulation , cascaded modulator , theoretical analysis , sigma delta and Fsk , gaussian , resistor thermal

MFN:0060SAR_2.MST

Research Title : Correcting Working Postures in Water Pump Assembly Tasks using the OVAKO Work Analysis System (OWAS)

Authors : Hussein S.Ketan , Atiya Kadhim AL-Zuheri

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : working posture analysis , OWAS , digital camcord , MPEG computer , , kneeling , , temporal changes , deep squatting , ergonomic risk , stackingion , workstat

MFN:0061SAR_2.MST

Research Title : New Adaptive Data Transmission Scheme Over HF Radio

Authors : Khalifa Abboud Salim , Abdul - Karim A.R.Kadhim

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : atmospheric, transmission media HF , VHF , modulation , carrier frequency , MFSK . MPSK ,
 , watterson model

MFN:0062SAR_2.MST

Research Title : Fractally Generated Microstrip Bandpass Filter Designs Based on Dual - Mode Square Ring Resonator for Wireless Communication System

Authors : Jawad K . Ali

Journal Title : AL- Kwarizmi Engineering Journal

Volume:4 , Number :3 , Year:2008 , Page:1-145

Key Words : mandelbort , electromagnetics , fractal geometry , sierpinski , square rings , method of moment , fractal design , filter miniaturization

MFN:0063SAR_2.MST

Research Title : Feature - Based Approach to Automatic Fixturing System Planning For Uniform Polyhedra Workpiece

Authors : Raheem ZghairHaidir R , Zaid Hikmat Yaqoub , Amjad Barzan

Journal Title : AL-Kwarizmi Engineering Journal

Volume: 4 , Number : 3 , Year:2008 , Page: 1-145

Key Words : fixtures tooling deflections , fixture planning , orientation of workpiece , fixture construction , fixture elements , fixture assembly , specified dimensions , tolerances , polyhedra shaped workpiece ,
 , kinematic points , system architecture , prismatic workpiece

MFN:0064SAR_2.MST

Research Title : A New Fractal Printed Dipole Antenna Based on Teent Transformation for Wireless Communication Applications

Authers : Jawad K.Ali

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : besicovich dimension , topological , electroynamics , fractal dopole antenna , euclidean geometries , topological dimension , multi-band antenna , fractal dipole antennas

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MFN:0065SAR_2.MST

Research Title : Mass-Transfer Characteristics of Air- Suction Type Fermentors

.Auther : Alaa K.M

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : feromtors , oxygen transfer , microorganisms , alkyylation , fermentor , mathematical correlation , multiregression

MFN:0066SAR_2.MST

Research Title : Zinc Oxide Hydrogen Sulfide Removal Catalyst / Preparation,Activity Test and Kinetic Study

Authers : Karim H.Hassan , Zuhair A-A Khammas

Volume:4 , Number:3 , Year:2008 , Page:1-145

Journal Title: AL-Kwarizmi Engineering

Key Words : Zinc Oxide Hydrogen , Sulfide , Catalyst Kinetic Study,

MFN:0067SAR_2.MST

Research Title: Studying the Effect of Volume Fraction of Glass Fibers on the Thermal Conductivity of the Polymer Composite Materials

Author : Mohammed Sellab Hamza

Journal Title : AL- Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : thermal conductivity , phenomena , solid materials , polymeric matrix , polyester , theoretical , analysis , keto peroxide , polyester matrix

MFN:0068SAR_2.MST

Research Title : Heating and Melting Model Induced by Laser Beam in Solid Material

Author : Faiz F.Mustafa

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : laser , heating , melting , solution , laser beam , thermophysical , FEmethod , analytical method

MFN:0069SAR_2.MST

Research Title : Comparison Study of Electromyography Using Wavelet and Neural Network

Authors : Nebras Hussain Gheab , Sadeem Nabeel Saleem

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : electromyography , methodologies,physiological,biomechanical,classical method , baseline , , neural network , systematic application , wavelet trnsform,matlab

0070SAR_2.MST MFN:

Research Title : COMPUTER - BASED ECG SIGNAL ANALYSIS AND MONITORING SYSTEM

Authers : Hadeel Kassim AL-Jobouri , Nasser N.Khamiss AL-Ani

Journal Title : AL-Kwarizmi Engineering Journal

Volume: 4 , Number:3 , Year:2008 , Page:1-145

Key Words : electromyography , methodologies,kinesiologicaraw EMG Signal , wavelet transform , random , shape

MFN:0071SAR_2.MST

Research Title : COMPUTER -BASED ECG SIGNAL ANALYSIS AND MONITROING SYSTEM

Author : Hadeel Kassim AL-Jobouri , Nasser N.Khamiss AL-Ani

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : ECG,electrocardiograph , monolithic instrumentation , system sofwar,polarized voltage , myographical , waveform analysis and detection

MFN:0072SAR_2.MST

Research Title :A MINIATURE TWO- FINGERED ROBOT HAND DRIVEN BY MUSCLE WIRES ACTUATORS

Authers : A.Salam AL-Ammri,Bahaa I,Kadim and Yaurb O.AL-Azzawi

Journal Title : AL-Kwarizmi Engineering Journal

Volume : 4 , Number : 3 , Year : 2008 , Page:1-145

Key Words : robots , anthropomorphism , prosthetic , electromyography , distal actuators , prostheses for partial hand , muscle , phalanxes , plastic shield

,

MFN:0073SAR_2.MST

Research Title : Multiwavelet and Estimation by Interpolation Interpolation Analysis Based Hybrid Color Image Compression

Author : ALi Hussien Miry

Journal Title: AL-Kwarizmi Engineering Journal

Volume:4 , Number:3 , Year:2008 , Page:1-145

Key Words : multiwavelet transform , symmetry , interpolation , nearest neighbor interpolation , linear interpolation , cubic spline interpolation

MFN:0074SAR_2.MST

Research Title : The Optimum Conditions for Production of Soya Peptone by Acidic Hydrolysis of Soya Proteins

Authors : Mohammed B.A.G . AL- Bahri, Safa A , AL – Naimi , Sundus H.Ahammed

Journal Title : AL-Kwarizmi Engineering Journal

Volume: 4 , Number: 4 , Year: 2008 , Page : 1-129

Key Words : soya protein , hydrochloric acid , enzymatic hydrolysate , oxid laboratory , polypeptides , amino , acid , proteolytic , pepsin

MFN:0075SAR_2.MST

Research Title : Mass Tranfer Coefficient During Cathodic Protection of Low Carbon Steel in Seawater

Authors : Khailid W . Hameed , Anees Abdullah Khadom , Ameel Mohammed Rahman

Journal Title : AL-Kwarizmi Engineering Journal

Volume :5 , Number: 1 , Year:2008 , Page: 1-129

Key Words : electrolyte , cathodic protection , cathodic protection system , carbon steel , oxygen reduction , specimen cylinder

MFN:0076SAR_2.MST

Research Title : Investigation of Thermal Stress Distribution in Laser Spot Welding Process

Author : Osamah F . Abdulateef

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4, Number: 4, Year:2008 , Page:1-129

Key Words : laser welding , phenomena , misalignments , thermoelaticity , gaussian energy , mellin transform technique , thermoelastic model , nonlinear finite element , laser intensity , pulse shape , axis of symmetry , volumetric heat

MFN:0077SAR_2.MST

Research Title : Numerical Computations of Transonic Cartical Aerodynamic Behavior of Realistic Artillery Projectile

Journal Title : AL-Kawarizmi Engineering Journal

Author : Ahmed F . M Kridi

Volume :4 , Number :4 , Year:2008 , Page:1-129

Key Words : aerodynamic , flight projectiles , numerical capabilities , theoretical analysis transonic projectile , shadowgr , inviscid region,hyperbolic – ellipticaph

MFN:0078SAR_2.MST

Research Title : Performabce of Gas Inductied Bioreactoron in a Dual - Impeller Agitat

Authers : ALaa K . Mohammed , Hassanin ALi Hussen , Safa Abid AL-Rassul

Journal Title : AL-Kwarizmi Journal Engineering

Volume:4 , Number:4 , Year :2008 , Page:1- 129

Key Words : double impeller , hydrochlorination , alkylation , ozonolysis , thyristor controlled , bioreactor mixing , dual impeller , fermentor

MFN:0079SAR_2.MST

Research Title : Extraction of Phenol From Industrial Using Different solvent

Authers : Mahmoud Omar Abdullah , Khalid Farhod AL-Jiboury , Bushra Yaseen

Journal Title:AL-Kwarizmi Engineering Journal

Volume: 4 , Number : 4 , Year:2008 , Page:1-129

Key Words : toxic chemical , petrochemical , liquid-liquid equilibrium data , erlenmeyer,phenol organic , water phenol chloroform , experimental work chemicals , heterogenous mixture , isobutyle acetate , renon , binary parameters

MFN:0080SAR_2.MST

Research Title : Effect of Chloride Ions on the Corrosion Behavior of AL- ZnAlloy in NaOH Solution at Four Different Temperatures

Journal Title : AL-Kwarizmi Engineering Journal

Author : Rana A.Majed , Hind B.AL-Atrakchy , Hanaa A.AL - Kaisy,

Volume :4 , Number :4 , Year:2008 , Page:1-129

Key Words : corrosion of aluminum , polarization method , potentigate techniquues , protective oxide , AL- Zn alloy , tafel extrapolation method , adsorbed hydrogen atoms , cathodic , anadoic

MFN:0081SAR_2.MST

Research Title : Effect of Grain and Calcinations Kaolin Additives Some Mechanical and Physical and Properties on Low Density Polyethylene Comosites

Authers : Zanaib Y.Shnean

Journal Title : AL-Kwaeizmi Engineering Journal

Number : 5 , Volume:1 , Year:2009 , Page:1-129

Key Words : alloys , ceramics,polymers , inorganic crystalline materials , kaoline , physicomechanical , properties , polyethylene , tensile strength testpolymeric , material

MFN:0082SAR_2.MST

Research Title : Parametric Study of Mixed Convective Radiative Heat Transfer in an Inclined Annulus

Authors : Manal H.AL-Hafidh , Raed G.Saihood

Journal Title : AL-Kwarizmi Engineering Journal

Volume :4 , Number :4, Year :2008 , Page:1-129

Key Words : elliptic cylinder, geometry combination , rectangular duct , hydrodynamically , curvilinear , relaxation method , peripheral heat transfer , thermo-elastic, thermal resistance, rectangular duct , GR value

MFN:0083SAR_2.MST

Research Title : The Effect of Additive on the Performance of Hydrostatic Thrust Bearings

Authors : ALbert E.Yousif , Muhammed Abdul Sattar

Journal Title:AL-Kwarizmi Journal Engineering

Volume:4 , Number: 4, Year:2008 , Page:1-129

Key Words : hydrostatic , thrust bearing , polymeric solutions , classical theory method , , theoretical , analysis, energy integral method , boundary condition in recess

MFN:0084SAR_2.MST

Research Title : Peak to Average Power Ratio Reduction of OFDM Signals Using Clipping and Iterative Processing Methods

Author : Ahmed K.Hassan

Journal Title : AL-Kwarizmi Engineering method

Volume:4, Number: 4 , Year:2008 , Page:1-129

Key Words : Orthogonal frequency division multiplexing , semiconductor, technology , peak to Average power ratio , coherent detection , parallel systems , eliminating any pulse shaping , discrete fourier , transform , fast fourier transform , clipping method

MFN:0085SAR_2.MST

Research Title : Large Angle Bending Behavior of Curved Members Using The Method of Characteristics

Authers : Haitham H.AL-Daami , Ahmed A.AL-Rajihy , Essam Z.fadel

Journal Title : AL-Kwarizmi Engineering Journal

Volume: 4, Number : 4 , Year:2009 , Page:1-129

Key Words : dynamic characteristics , nonlinear analysis , elastic region , large angle bending behavior,dynamic response , dynamic magnification , large Angle bending , prismatic members , curved beam

MFN:0086SAR_2.MST

Research Title : Study The Influence of Forming Condition Like Conditions Like Deformation Speed on Void Closure in Open Die Forging

Author : ALaa Hassan A

Journal Title:AL-Kwrizmi Engineering Journal

Volume:4 , Number: 4 , Year:2008 , Page:1-129

Key Words : hot tears , finite element method , theoretical consideration and analusis , viscoplastic defect , target surfaces , circular void open die , open die forgingnuclear reactors , rigid surface,concentration of , stresses

MFN:0087SAR_2.MST

Research Title : تأثير زوايا الانفراج لمنشآت مقطع على النحر الحاصل في مؤخر النشا

Journal Title : مجلة الخوارزمي الهندسية

Authers : سوسن حسون محمد , كريم خلف هادي

Key Words : الانجراف , منشآت تحويل المقطع , الانفراج , الخشب المعاكس , السد الغاطس الحاد , معادلة السد الغاطس ,

Volume:4 , Number:4 , Year:2008 , Page:1-129

MFN:0088SAR_2.MST

Research Title : Monitoring and Quality Control of Stud Welding

Authors : Nabeel K.Abid AL-Sahib , Hussam K.Abdul Ameer , Ghazy Faisal Ibrahim

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4, Number:4, Year:2008 , Page:1-129

Key Words : metal fastener , stud gun , a ceramic ferrule , monitoring weld quality , variables , welding electrical parameters , galvanized sheets , regression analysis method , artificial neural network , ceramic ferrule , electronic device

MFN:0089SAR_2.MST

Research Title : A proposed Artificial Intelligence for Assessing of Risk Priority for Medical Equipment in Iraqi Hospital

Authors : Ali Hussian ALi AL Timemy , Shetha K.Abid , Nebras H.Ghaeb

Journal Title : AL-Kwarizmi Engineering Journal

Volume:4 , Number : 4, Year:2008 , Page :1- 129

Key Words : perform diagnostic , therapeutic , corrective , risk factor , glitches , neural network , model complex nonlinear system , theoretical work , traditional statical method , historical attitude , generic equipment , pulse oximeter , kohonen network , SOMa Algorithm , topographic maps , physical risk

MFN:0090SAR_2.MST

Research Title : Itidimensional Systolic Arrays of LMS AL gorithm Adptive (FIR)Digital Filters

Authors : Riyadh A.H.AL-Helali , Bakir A.R.AL-Hashemy

Journal Title:AL-Kwarizmi Engineering Journal

Volume:4, Number : 4 , Year:2008 , page : 1-129

Key Words : system of recurrence , typically highly parallel , systolic arrays , systolic design of algorithm , , graph method , processor system

MFN:0091SAR_2.MST

Research Title : Modeling and Filtering Tracking Maneuvering Targets

Journal Title : AL-Kwarizmi Engineering Journal

Authers : Sadiq J.Abou-Loukh

Volume:5 , Number : 2, Year:2009 , Page:1-26

Key Words : sophisitcated digital , classical algorithms filter , covariance element , attractive alternative method , dynamic equation , tracking filter , theory of optimum kalman filte , azimuth channel

MFN:0092SAR_2.MST

Research Title : Effect of Adding Alcohols and Gas Velocity on Gas Hold up and Mass transfer Coefficient in Bubble Columns with Draught Tube

Author : ALi Abdul - Rahman N.Jasim

Journal Title : AL-Kwarizmi Engineering Journal

Volume:5 , Number: 2 , Year:2009 , Page:1-126

Key Words : bubble columns , hydrodynamics transport , alcohol , schematic diagram , aplexiglass column , nitrogen gas , intial liquid height , aliphctic aalcohols physical absorption , propanol , ethanol

MFN:0093SAR_2.MST

Research Title : Breast Tumeor Diagnosis Using Diode Laser in Near Infrared Region

Author : Munqith S.Dawood , Ahmed Ali Mohammed

Journal Title : AL-Kwarizmi Engineering Journal

Volume:5 , Number:2 , Year:2009 , Page:1-126

Key Words : fine needle , surgical hiopsy , frequency domphoton , X-Ray , photon density , deoxyhemoglobin , tumar detection , metabolic , menopausal , consequently , mathematical model , laser modulation , electromagnetic , spectrum , lipid - filled cellular , theoretical simlution

MFN:0094SAR_2.MST

Research Title : Simulation of Free Convection from an Inclined Heated Thin Plate in a Square

Author : Qahtan Abdul Zahra , Ahmed N .Mehdy , Nora M.Sahib

Journal Title : AL-Kwarizmi Engineering Journal

Volume:5 , Number : 2, Year:2009 , Page:1-126

Key Words : solar collectors , heat transfer , numerical finite , Cell MAC method , primitive variables , velocity , pressure , adiabatic walls , isotherms , neighborhood surface , mathematical formulation , finite difference method , heated vertical boundary

MFN:0095SAR_2.MST

Research Title : Automatic Optimization System of Cutting Condition for Different Types of Machining Processes

Author : Ali H.Kadhumi , Huda Hatem

Journal Title : AL-Kwarizmi Engineering Journal

Volume:5 , Number : 2, Year:2009 , Page:1-126

Key Words : typical technological environment , critical element , mathematical model , tool geometry , depth of cut , seldom classified , strength of cutting tool , cutting parameters , calculated cutting , various cutting processes

كشاف العناوين

	Research Title	Research No	Journal No	Volume	year
1-	Adigital – based optimal AVR Design of synchronous generator Exciter using LQR Technique	47	2	3	2007
2-	AFinite Element analysis for damaged rotating composite blade	45	2	3	2007
3-	A MINIATURE TWO- FINGERED ROBOT HAND DRIVEN BY MUSCLE WIRES ACTUATORS	72	3	4	2008
4-	An investigation into the performance counter rotating floating ring journal under different working condition	35	1	2	2007
5-	An expermd comparative estudy between polypropylene and laminat lower limb prosthetic socket , cylindrical shape , nylon stockinet	36	1	3	2007
6-	An Experimental Study of Capillary Tubes Behavior With R - 12 and R - 134 a	6	1	1	2005
7-	An investigation into the performance counter rotating floating ring journal under different working condition	35	1	2	2007
8-	A New Fractal Printed Dipole Antenna Based on Teent Transformation for Wireless Communication Applications	64	3	4	2008
9-	A New Approach for Designing Multi Information Management System Using XM L Technology	3	1	1	2005
10-	Aproposed Artificail Intelleigence for Assessing of Risk Priority for Medical Equipmment in Iraqi Hospital	89	1	5	2009
11-	AStudy Of Stengthening Circular Diaphragm By Ring - Shaped Concentric Ribs	21	1	2	2006
12-	Autamatic Ootimization System of Cutting Condition for Different Types of Machining Processes	95	2	5	2009
13-	Basement Kind Effects on Air Temperature of a Solar Chimney in Baghdad - Iraq Weathere	43	2	3	2007
14-	Biomecheeanical Aspects of Shoulder and Hip Articulations : A Comparison of Two Ball and Socket Joints	20	1	2	2006
15-	Biomechanical concept Design of Artificial Human Hand	40	2	3	2007
16-	Breast Tumeor Diagnosis Using Diode Laser in Near Infrared Region	93	2	5	2009

17-	Buckling Analysis of Unidirectional Polymer Matrix Composite Plates	29	2	2	2006
18-	Comparison of Practical Investigations for CO Emissions Emitted From Single Cylinder S.I Engine Fueled With Different Kinds of Hydrocarbon Fuels and Hydrogen	42	2	3	2007
19-	Comparison Study of Electromyography Using Wavelet and Neural Network	69	3	4	2008
20-	COMPUTER - BASED ECG SIGNAL ANALYSIS AND MONITORING SYSTEM	70	3	4	2008
21-	COMPUTER -BASED ECG SIGNAL ANALYSIS AND MONITORING SYSTEM	71	3	4	2008
22-	Correcting Working Postures in Water Pump Assembly Tasks using the OVAKO Work Analysis System (OWAS)	60	3	4	2008
23-	Design and Analysis of New Prosthetic Foot	34	1	3	2007
24-	Design and Simulation of Gaussian FSK Transmitter in UHF Band Using Direct Modulation of E	59	3	4	2008
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