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Advising Theses

ÖZGÖREN M. K. , CONTROL OF A PLANAR CABLE-ACTUATED PARALLEL MANIPULATOR WITH REALISTIC CABLES, Postgraduate, O.DÜZGÖREN(Student), 2018

ÖZGÖREN M. K. , Design and analysis of a 3-dof translational shock absorbing parallel manipulator, Postgraduate, G.YILDIZ(Student), 2016

ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K. , Some optimal control problems in electric vehicles, Doctorate, K.AHISKA(Student), 2016

ÖZGÖREN M. K. , Design and analysis of the 3-DOF translational shock absorbing parallel manipulator, Postgraduate, G.Yıldız(Student), 2016

ÖZGÖREN M. K. , Investigation of control of human balance-recovery reactions, Doctorate, N.BİLGİN(Student), 2015

ÖZGÖREN M. K. , GÜRSES S., The somatosensory and vestibular interaction in human postural control, Doctorate, M.EMRE(Student), 2015

ÖZGÖREN M. K. , Biased proportional navigation guidance for impact angle control with extension to three-dimensional engagements /, Doctorate, K.SAVAŞ(Student), 2015

ÖZGÖREN M. K. , Optimal redundancy resolution for kinematically redundant parallel manipulators, Postgraduate, S.TANSEL(Student), 2014

ÖZGÖREN M. K. , Multistage launch vehicle design with thrust profile and trajectory optimization /, Doctorate, E.CİVEK(Student), 2014

ÖZGÖREN M. K. , The effects of random seeker noise and target maneuver on guidance performance, Postgraduate, O.ÖZGÜR(Student), 2014

ÖZGÖREN M. K. , Inertial navigation system improvement using ground station data, Doctorate, D.RAUF(Student), 2012

ÖZGÖREN M. K. , Orbit transfer optimization of a spacecraft with impulsive thrusts using genetic algorithm, Postgraduate, A.Yılmaz(Student), 2012

ÖZGÖREN M. K. , Research on transfer alignment for increased speed and accuracy, Doctorate, U.KAYASAL(Student), 2012

ÖZGÖREN M. K. , Modeling and control of autonomous underwater vehicle manipulator systems, Doctorate, O.KORKMAZ(Student), 2012

KONUKSEVEN E. İ. , ÖZGÖREN M. K. , Multisensor dead reckoning navigation on a tracked vehicle using Kalman filter, Postgraduate, S.Kırımhoğlu(Student), 2012

ÖZGÖREN M. K. , Orbit transfer optimization of spacecraft with impulsive thrusts using genetic algorithm, Postgraduate, A.YILMAZ(Student), 2012

ÖZGÖREN M. K. , MULTISENSOR DEAD RECKONING NAVIGATION ON A TRACKED VEHICLE USING KALMAN FILTER, Postgraduate, S.KIRIMLIOĞLU(Student), 2012

ÖZGÖREN M. K. , Kinematic and force analyses of overconstrained mechanisms, Postgraduate, D.ÜSTÜN(Student), 2011

ÖZGÖREN M. K. , Simulation of biped locomotion of humanoid robots in 3D space, Postgraduate, G.Akalın(Student), 2010

ÖZGÖREN M. K. , Modeling and control of a hyper redundant manipulator, Doctorate, A.BAYRAM(Student), 2010

ÖZGÖREN M. K. , TEKİNALP O., Attitude control of multiple rigid body spacecraft with flexible hinge joints, Postgraduate, B.AKBULUT(Student), 2009

ÖZGÖREN M. K. , Sliding mode control of linearly actuated nonlinear systems, Postgraduate, B.DURMAZ(Student), 2009

ÖZGÖREN M. K. , Control of systems under the effect of friction, Postgraduate, B.BAYKARA(Student), 2009

ÖZGÖREN M. K. , Land vehicle navigation with GPS/INS sensor fusion using kalman filter, Postgraduate, M.EMRE(Student), 2008

ÖZGÖREN M. K. , High angle of attack maneuvering and stabilization control of aircraft, Doctorate, Ö.ATEŞOĞLU(Student), 2007

ÖZGÖREN M. K. , Modeling and simulation of a navigation system with an IMU and a Magnetometer, Postgraduate, U.Kayasal(Student), 2007

ÖZGÖREN M. K. , High angle attack maneuvering and stabilization control of aircraft, Doctorate, Ö.Ateşoğlu(Student), 2007

ÖZGÖREN M. K. , Navigation and control studies on cruise missiles, Doctorate, V.Ekütekin(Student), 2007

ÖZGÖREN M. K. , Modeling and simulation of a maneuvering ship, Postgraduate, S.PAKKAN(Student), 2007

ÖZGÖREN M. K. , Modeling and motion simulation of an underwater simulation, Postgraduate, K.Küçük(Student), 2007

ÖZGÖREN M. K. , Dynamic modeling, guidance, and control of homing missiles, Doctorate, B.Özkan(Student), 2005

ÖZGÖREN M. K. , 3-D humanoid gait simulation using an optimal predictive control, Postgraduate, G.Özyurt(Student), 2005

ÖZGÖREN M. K. , Stability Augmentation of a Semi-Autonomous Wheelchair, Postgraduate, H.Müjde(Student), 2004

ÖZGÖREN M. K. , Özgören M., Fuzzy logic guidance system design for guided missiles, Postgraduate, A.Özgür(Student), 2003

ÖZGÖREN M. K. , Position/force control of robot manipulators, Postgraduate, M.İsmet(Student), 2003

ÖZGÖREN M. K. , Integration and error modelling of global positioning system (GPS) and inertial navigation system (INS), Postgraduate, V.EKÜTEKİN(Student), 2000

ÖZGÖREN M. K. , Design and performance of cargo type warheads, Postgraduate, Ş.KORKMAZ(Student), 2000

ÖZGÖREN M. K. , Kinematic and force analysis of parallel and hybrid manipulators, Postgraduate, S.HİMMETOĞLU(Student), 2000

ÖZGÖREN M. K. , Dynamic modeling and control of two coordinated robot manipulators, Postgraduate, B.ÖZKAN(Student), 1999

ÖZGÖREN M. K. , Non-linear flight dynamics of unguided missiles, Doctorate, Ö.Tanrıkulu(Student), 1999

ÖZGÖREN M. K. , Two new switching surface design techniques for nonlinear systems with their applications to missile control, Doctorate, M.UYMAZ(Student), 1999

ÖZGÖREN M. K. , Game theoretic pursuit-evasion strategies for a missile and its target, Doctorate, O.Merttopçuoğlu(Student), 1998

ÖZGÖREN M. K. , Analysis and control of manipulators at singular positions, Postgraduate, E.BİLGE(Student), 1996

ÖZGÖREN M. K. , Smooth optimal control of robotic manipulators for minimum time and energy, Postgraduate, J.KARAMAN(Student), 1995

ÖZGÖREN M. K. , Thrust vector and aerodynamic control of missiles, Postgraduate, M.YANGEL(Student), 1995

ÖZGÖREN M. K. , Dynamics and control of a stabilized platform, Doctorate, Ö.ETKA(Student), 1994

ÖZGÖREN M. K. , Control of a missile to follow a moving target, Postgraduate, H.ERGİN(Student), 1992

ÖZGÖREN M. K. , Motion and energy optimizations of a redundant manipulator, Postgraduate, T.Ş.(Student), 1991

ÖZGÖREN M. K. , Simulation and comparison of various control types as applied to manipulators, Postgraduate, M.UYMAZ(Student), 1990

ÖZGÖREN M. K. , Thrust vector control of a rocket vehicle associated with aerodynamic control, Postgraduate, C.YALÇIN(Student), 1989

ÖZGÖREN M. K. , The Position-force hybrid control of robotic manipulators, Postgraduate, V.CEYHAN(Student), 1989

ÖZGÖREN M. K. , Design and construction of a robotic manipulator with six revolute joints, Postgraduate, İ.BAŞÇUHADAR(Student), 1989

ÖZGÖREN M. K. , Effect of dry-friction on the position control of robot arms, Postgraduate, M.FATİH(Student), 1989

ÖZGÖREN M. K. , Effects of delays on control systems, Postgraduate, M.MUNGAN(Student), 1987

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

I. Energy Optimality in Electric Vehicles Along Uphill-Downhill Roads

Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.

IEEE TRANSACTIONS ON INTELLIGENT VEHICLES, vol.6, no.3, pp.390-405, 2021 (Journal Indexed in SCI)

- II. **Design and kinematic analysis of a novel rehabilitative robotic walking simulation device**
Kose K. C. , ÖZGÖREN M. K. , Tekce F., DÖNER N.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.235, no.7, pp.770-779, 2021 (Journal Indexed in SCI)
- III. **Motion Control of a Spatial Elastic Manipulator in the Presence of Measurement Noises**
KILIÇASLAN S., İDER S. K. , ÖZGÖREN M. K.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2021 (Journal Indexed in SCI)
- IV. **Estimation of the Balance-Keeping Control Law Applied by a Human Being Upon a Sudden Sagittal Tilt Perturbation**
BİLGİN N., ÖZGÖREN M. K.
JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME, vol.141, no.4, 2019 (Journal Indexed in SCI)
- V. **Kinematic and Kinetostatic Analysis of Parallel Manipulators with Emphasis on Position, Motion, and Actuation Singularities**
ÖZGÖREN M. K.
ROBOTICA, vol.37, no.4, pp.599-625, 2019 (Journal Indexed in SCI)
- VI. **Comparative study of attitude control methods based on Euler angles, quaternions, angle-axis pairs and orientation matrices**
ÖZGÖREN M. K.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.41, no.5, pp.1189-1206, 2019 (Journal Indexed in SCI)
- VII. **Autopilot Design for Vehicle Cornering Through Icy Roads**
Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.67, no.3, pp.1867-1880, 2018 (Journal Indexed in SCI)
- VIII. **Performance comparison of the notable acceleration- and angle-based guidance laws for a short-range air-to-surface missile**
Ozkan B., ÖZGÖREN M. K. , Mahmutyazicioglu G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.5, pp.3591-3606, 2017 (Journal Indexed in SCI)
- IX. **TRAJECTORY TRACKING CONTROL OF AN UNDERACTUATED UNDERWATER VEHICLE REDUNDANT MANIPULATOR SYSTEM**
Korkmaz O., İDER S. K. , ÖZGÖREN M. K.
ASIAN JOURNAL OF CONTROL, vol.18, no.5, pp.1593-1607, 2016 (Journal Indexed in SCI)
- X. **Optimal Inverse Kinematic Solutions for Redundant Manipulators by Using Analytical Methods to Minimize Position and Velocity Measures**
ÖZGÖREN M. K.
JOURNAL OF MECHANISMS AND ROBOTICS-TRANSACTIONS OF THE ASME, vol.5, no.3, 2013 (Journal Indexed in SCI)
- XI. **The position control of a spatial binary hyper redundant manipulator through its inverse kinematics**
Bayram A., ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.227, pp.359-372, 2013 (Journal Indexed in SCI)
- XII. **Sliding mode control for non-linear systems with adaptive sliding surfaces**
Durmaz B., ÖZGÖREN M. K. , SALAMCI M. U.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.34, no.1, pp.56-90, 2012 (Journal Indexed in SCI)
- XIII. **The conceptual design of a spatial binary hyper redundant manipulator and its forward kinematics**
Bayram A., ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL

- ENGINEERING SCIENCE, vol.226, pp.217-227, 2012 (Journal Indexed in SCI)
- XIV. **Hybrid force and motion control of robots with flexible links**
KILIÇASLAN S., ÖZGÖREN M. K. , Ider S. K.
MECHANISM AND MACHINE THEORY, vol.45, no.1, pp.91-105, 2010 (Journal Indexed in SCI)
- XV. **Comparison of position controllers designed for an elastic system using its complete and deficient dynamic models**
ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, vol.224, pp.93-107, 2010 (Journal Indexed in SCI)
- XVI. **Control and Robustness Analysis for a High-alpha Maneuverable Thrust-Vectoring Fighter Aircraft**
Atesoglu O., ÖZGÖREN M. K.
JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, vol.32, no.5, pp.1483-1496, 2009 (Journal Indexed in SCI)
- XVII. **An algebraic method for designing controllers for multi-input multi-output linear systems via s-domain input-output decoupling**
ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, vol.223, pp.263-274, 2009 (Journal Indexed in SCI)
- XVIII. **Motion control of flexible-link manipulators**
KILIÇASLAN S., Ider S. K. , ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.222, no.12, pp.2441-2453, 2008 (Journal Indexed in SCI)
- XIX. **Kinematic analysis of spatial mechanical systems using exponential rotation matrices**
Ozgoren M. K.
JOURNAL OF MECHANICAL DESIGN, vol.129, no.11, pp.1144-1152, 2007 (Journal Indexed in SCI)
- XX. **Trajectory tracking control of robots with flexible links**
Ider S., Ozgoren M., Ay V.
MECHANISM AND MACHINE THEORY, vol.37, no.11, pp.1377-1394, 2002 (Journal Indexed in SCI)
- XXI. **Topological analysis of 6-joint serial manipulators and their inverse kinematic solutions**
Ozgoren M.
MECHANISM AND MACHINE THEORY, vol.37, no.5, pp.511-547, 2002 (Journal Indexed in SCI)
- XXII. **A kinematic structure-based classification and compact kinematic equations for six-dof industrial robotic manipulators**
Balkan T., Ozgoren M., Arikan M., Baykurt H.
MECHANISM AND MACHINE THEORY, vol.36, no.7, pp.817-832, 2001 (Journal Indexed in SCI)
- XXIII. **Invalid joint arrangements and actuator related singular configurations of a system of two cooperating SCARA manipulators**
Ozkan B., Ozgoren M.
MECHATRONICS, vol.11, no.4, pp.491-507, 2001 (Journal Indexed in SCI)
- XXIV. **Motion control of constrained systems considering their actuation-related singular configurations**
Ozgoren M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, vol.215, pp.113-123, 2001 (Journal Indexed in SCI)
- XXV. **A method of inverse kinematics solution including singular and multiple configurations for a class of robotic manipulators**
Balkan T., Ozgoren M., Arikan M., Baykurt H.
MECHANISM AND MACHINE THEORY, vol.35, no.9, pp.1221-1237, 2000 (Journal Indexed in SCI)
- XXVI. **Sliding mode control with optimal sliding surfaces for missile autopilot design**
Salamci M., Ozgoren M., Banks S.
JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, vol.23, no.4, pp.719-727, 2000 (Journal Indexed in SCI)
- XXVII. **Trajectory tracking control of flexible-joint robots**
Ider S., Ozgoren M.

COMPUTERS & STRUCTURES, vol.76, no.6, pp.757-763, 2000 (Journal Indexed in SCI)

XXVIII. **Kinematic analysis of a manipulator with its position and velocity related singular configurations**
Ozgoren M.

MECHANISM AND MACHINE THEORY, vol.34, no.7, pp.1075-1101, 1999 (Journal Indexed in SCI)

XXIX. **SOME REMARKS ON ROTATION SEQUENCES AND ASSOCIATED ANGULAR VELOCITIES**
OZGOREN M.

MECHANISM AND MACHINE THEORY, vol.29, no.7, pp.933-940, 1994 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Biased Proportional Navigation with Exponentially Decaying Error for Impact Angle Control and Path Following**
Erer K. S. , Tekin R., ÖZGÖREN M. K.
24th Mediterranean Conference on Control and Automation (MED), Athens, Greece, 21 - 24 June 2016, pp.238-243
- II. **A Balance Keeping Control for Humanoid Robots by Using Model Predictive Control**
Bilgin N., ÖZGÖREN M. K.
17th IEEE International Carpathian Control Conference (ICCC), Tatranska Lomnica, Slovakia, 29 May - 01 June 2016, pp.60-65
- III. **Energy Optimal Controller for Electric Vehicles on Partially Icy Roads with Heuristic Skidding Compensation**
Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.
15th International Conference on Control, Automation and Systems (ICCAS), Busan, South Korea, 13 - 16 October 2015, pp.101-106
- IV. **Control of a Planar Satellite with an Unactuated Movable Solar Panel**
Acar Y., Yavuzylmaz C., ÖZGÖREN M. K.
7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.105-110
- V. **Sliding Mode based Longitudinal Guidance of UAVs**
Shah M. Z. , ÖZGÖREN M. K. , Samar R.
United-Kingdom-Automatic-Control-Council (UKACC) 10th International Conference on Control (CONTROL), Loughborough, United Kingdom, 9 - 11 July 2014, pp.121-126
- VI. **A Generalized Staging Optimization Program For Space Launch Vehicles**
Civek-Coskun E., ÖZGÖREN M. K.
6th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 12 - 14 June 2013, pp.857-862
- VII. **Application of Beacon Navigation and Angle-Only Artillery Surveying Methods for INS Aiding on Aerial Platforms in GNSS Denied Environments**
Guner D. R. L. , ÖZGÖREN M. K. , PLATİN B. E.
ION Pacific PNT Meeting, Hawaii, United States Of America, 23 - 25 April 2013, pp.858-868
- VIII. **ATTITUDE CONTROL OF MULTIPLE RIGID BODY SPACECRAFT WITH FLEXIBLE HINGE JOINTS**
Akbulut B., ÖZGÖREN M. K. , TEKİNALP O.
20th AAS/AIAA Spaceflight Mechanics Meeting, California, United States Of America, 14 - 18 February 2010, vol.136, pp.2477-2478
- IX. **POINTING PERFORMANCE INVESTIGATION OF A MULTIPLE RIGID BODY SPACECRAFT**
Akbulut B., ÖZGÖREN M. K. , TEKİNALP O.
AAS/AIAA 19th Space Flight Mechanics Meeting, Savannakhet, Laos, 8 - 12 February 2009, vol.134, pp.1029-1030
- X. **The Stabilization Controller Design for a Tripod Type Parallel Manipulator Used for Active Suspension of a Delicate Device**
Atesoglu O., ÖZGÖREN M. K.
IEEE International Conference on Control Applications, San-Antonio, Northern Mariana Islands, 3 - 05 September

2008, pp.237-238

XI. Control of constrained spatial three-link flexible manipulators

KILIÇASLAN S., ÖZGÖREN M. K. , Ider S. K.

15th Mediterranean Conference on Control and Automation, Athens, Greece, 27 - 29 June 2007, pp.1526-1527

XII. Removing force indeterminacy in a Hooke joint mechanism by increasing and modifying its joints without causing singularities

Himmetoglu S., Ozgoren M.

11th World Congress in Mechanism and Machine Science, Tianjin, China, 1 - 04 April 2004, pp.1305-1308

Citations

Total Citations (WOS):261

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