

Question Paper Code : 57020

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2014.

First Semester

Mechanical Engineering

GE 6152 — ENGINEERING GRAPHICS

(Common to all branches)

(Regulation 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

(5 × 20 = 100)

1. (a) A circus man rides a motor-bike inside a globe of 6 m diameter. The motor-bike has the wheel of 1 m diameter. Draw the locus of the point on the circumference of the motor-bike wheel for one complete revolution. Adopt suitable scale.
- Or
- (b) Draw the front top and side views of the component shown in fig 1(b), by free hand.

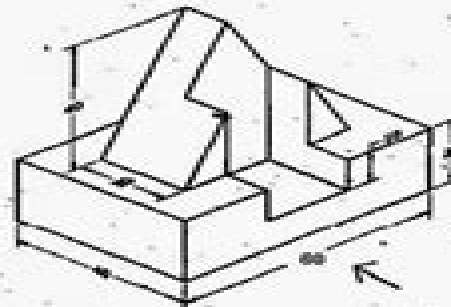


fig 1 (b)

2. (a) A straight line AB of 50 mm length has its end point A 15 mm above the HP and the end B 20 mm in front of the VP. The top view of the line is 40 mm long and the elevation is 35 mm long. Draw the projections of the line and find the true inclinations of the line with VP and the HP.
- Or
- (b) An isosceles triangular plate ABC has its base edge AB 60 mm long and on the ground inclined at 30° to VP. The length of the altitude of the plate is 80 mm. The plate is placed so that the edge AC lies in a plane perpendicular to both the HP and VP. Draw the projections of the plate and find out the angles of inclination of the plate with the HP and VP.

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Khaled Elleithy



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NMU Pilot National Maritime Union of America, 1968 Current Trends in Web Engineering In-Young Ko, Juan Manuel Murillo, Petri Vuorimaa, 2020-12-21 This book constitutes the thoroughly refereed post workshop proceedings of the 20th International Conference on Web Engineering ICWE 2020 held in Helsinki Finland in June 2020 The 4 revised full 4 revised short papers were selected from 10 submissions The workshops complement the main conference and explore new trends on core topics of Web engineering and provide an open discussion space combining solid theory work with practical on the field experience The workshop committee accepted three workshops for publication in this volume 1st International Workshop on the Web of Things for Humans WoT4H 2020 2nd Semantics and the Web for Transport workshop Sem4Tra 2020 and 6th International Workshop on Knowledge Discovery on the Web KDWEB 2020 The conference was held virtually due to the COVID 19 pandemic Reinforced Concrete Stephen Ekelu, 2025-11-13 Carbonation induced corrosion of reinforced concrete is among the most widespread durability problems affecting service life of structures and it underscores the need to develop quantitative engineering methods This book promulgates the Natural Carbonation Prediction NCP model derived through experiments data mining and analyses along with mathematical formulations and refinements It initially delves into fundamental concepts on corrosion of reinforced concrete before employing approaches to service life design based on the applicative and practical stochastic methods supported by independent data Features Focusses on corrosion due to carbonation of Portland cement based concrete Covers natural carbonation mechanisms and probabilistic service life design through reliability analysis and Monte Carlo simulation Presents a practical model for prediction of carbonation rate using a mathematical framework that incorporates key parameters for consideration in the engineering design process Using data from worldwide sources various case studies from different countries globally are employed comparing measurements with carbonation predictions Delves into carbonation modelling originating from theoretical underpinnings based on Fick's laws of diffusion This book is aimed at graduate students researchers and professionals in civil engineering concrete technology and the built environment **Lecture Notes in Data Engineering, Computational Intelligence, and Decision Making** Sergii Babichev, Volodymyr Lytvynenko, 2022-09-13 This book contains of 39 scientific papers which include the results of research regarding the current directions in the fields of data mining machine learning and decision making This book is devoted to current problems of artificial and computational intelligence including decision making systems Collecting analysis and processing information are the current directions of modern computer science Development of new modern information and computer technologies for data analysis and processing in various fields of data mining and machine learning create the conditions for increasing effectiveness of the information processing by both the decrease of time and the increase of accuracy of the data processing The papers are divided in terms of their topic into three sections The first section Analysis and Modeling of Hybrid Systems and Processes contains of 11 papers and the second section Theoretical and

Applied Aspects of Decision Making Systems contains of 11 ones too There are 17 papers in the third section Data Engineering Computational Intelligence and Inductive Modeling The book is focused to scientists and developers in the fields of data mining machine learning and decision making systems *Knowledge Engineering, Machine Learning and Lattice Computing with Applications* Manuel Grana, Carlos Toro, Robert J. Howlett, Lakhmi C Jain, 2013-03-20 This book constitutes the refereed proceedings of the 16th International Conference on Knowledge Based and Intelligent Information and Engineering Systems KES 2012 held in San Sebastian Spain in September 2012 The 20 revised full papers presented were carefully reviewed and selected from 130 submissions The papers are organized in topical sections on bioinspired and machine learning methods machine learning applications semantics and ontology based techniques and lattice computing and games *Advances in Engineering Design and Optimization* Yi Min Deng, Ai Bing Yu, Wei Hua Li, Di Zheng, 2010-11-11 Selected peer reviewed papers from the International Conference on Engineering Design and Optimization ICEDO 2010 28 30 October 2010 Ningbo P R China *Advances and Innovations in Systems, Computing Sciences and Software Engineering* Khaled Elleithy, 2007-08-28 *Advances and Innovations in Systems Computing Sciences and Software Engineering* includes a set of rigorously reviewed world class manuscripts addressing and detailing state of the art research projects in the areas of Computing Sciences Software Engineering and Systems *Advances and Innovations in Systems Computing Sciences and Software Engineering* includes selected papers from the conference proceedings of the International Conference on Systems Computing Sciences and Software Engineering SCSS 2006 which was part of the International Joint Conferences on Computer Information and Systems Sciences and Engineering CISSE 2006 All aspects of the conference were managed on line not only the reviewing submissions and registration processes but also the actual conference Conference participants authors presenters and attendees only needed an internet connection and sound available on their computers in order to be able to contribute and participate in this international ground breaking conference The on line structure of this high quality event allowed academic professionals and industry participants to contribute work and attend world class technical presentations based on rigorously refereed submissions live without the need for investing significant travel funds or time out of the office Suffice to say that CISSE received submissions from more than 70 countries for whose researchers this opportunity presented a much more affordable dynamic and well planned event to attend and submit their work to versus a classic on the ground conference The CISSE conference audio room provided superb audio even over low speed internet connections the ability to display PowerPoint presentations and cross platform compatibility the conferencing software runs on Windows Mac and any other operating system that supports Java In addition the conferencing system allowed for an unlimited number of participants which in turn granted CISSE the opportunity to allow all participants to attend all presentations as opposed to limiting the number of available seats for each session *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society* IEEE Engineering in Medicine and

Biology Society. Conference,1988 **Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society** IEEE Engineering in Medicine and Biology Society. Annual Conference,1988 *Physics of Semiconductor Devices* V. K. Jain,Abhishek Verma,2013-11-27 The purpose of this workshop is to spread the vast amount of information available on semiconductor physics to every possible field throughout the scientific community As a result the latest findings research and discoveries can be quickly disseminated This workshop provides all participating research groups with an excellent platform for interaction and collaboration with other members of their respective scientific community This workshop s technical sessions include various current and significant topics for applications and scientific developments including Optoelectronics VLSI ULSI Technology Photovoltaics MEMS Sensors Device Modeling and Simulation High Frequency Power Devices Nanotechnology and Emerging Areas Organic Electronics Displays and Lighting Many eminent scientists from various national and international organizations are actively participating with their latest research works and also equally supporting this mega event by joining the various organizing committees Collected Papers. Volume VIII Florentin Smarandache,2022-04-01 This eighth volume of Collected Papers includes 75 papers comprising 973 pages on theoretic and applied neutrosophics written between 2010 2022 by the author alone or in collaboration with the following 102 co authors alphabetically ordered from 24 countries Mohamed Abdel Basset Abdullah Gamal Firoz Ahmad Ahmad Yusuf Adhami Ahmed B Al Nafee Ali Hassan Mumtaz Ali Akbar Rezaei Assia Bakali Ayoub Bahnasse Azeddine Elhassouny Durga Banerjee Romualdas Bausys Mircea Bo coianu Traian Alexandru Buda Bui Cong Cuong Emilia Calefariu Ahmet evik Chang Su Kim Victor Christianto Dae Wan Kim Daud Ahmad Arindam Dey Partha Pratim Dey Mamouni Dhar H A Elagamy Ahmed K Essa Sudipta Gayen Bibhas C Giri Daniela G fu Noel Batista Hern ndez Hojjatollah Farahani Huda E Khalid Irfan Deli Saeid Jafari T m t p Gb l h n Ja y ol Sripati Jha Sudan Jha Ilanthenral Kandasamy W B Vasantha Kandasamy Darjan Karaba evi M Karthika Kawther F Alhasan Giruta Kazakeviciute Januskeviciene Qaisar Khan Kishore Kumar P K Prem Kumar Singh Ranjan Kumar Maikel Leyva V zquez Mahmoud Ismail Tahir Mahmood Hafsa Masood Malik Mohammad Abobala Mai Mohamed Gunasekaran Manogaran Seema Mehra Kalyan Mondal Mohamed Talea Mullai Murugappan Muhammad Akram Muhammad Aslam Malik Muhammad Khalid Mahmood Nivetha Martin Durga Nagarajan Nguyen Van Dinh Nguyen Xuan Thao Lewis Nkenyereya Jagan M Obbineni M Parimala S K Patro Peide Liu Pham Hong Phong Surapati Pramanik Gyanendra Prasad Joshi Quek Shio Gai R Radha A A Salama S Satham Hussain Mehmet ahin Said Broumi Ganeshsree Selvachandran Selvaraj Ganesan Shahbaz Ali Shouzhen Zeng Manjeet Singh A Stanis Arul Mary Dragi a Stanujki Yusuf uba Rui Pu Tan Mirela Teodorescu Sel uk Topal Zenonas Turskis Vakkas Ulu ay Norberto Valc rcel Izquierdo V Venkateswara Rao Volkan Duran Ying Li Young Bae Jun Wadei F Al Omeri Jian qiang Wang Lihshing Leigh Wang Edmundas Kazimieras Zavadskas **Fusion Engineering** ,1986 **Advances in Knowledge-based and Intelligent Information and Engineering Systems** Manuel Graña,2012 In this 2012 edition of Advances in Knowledge Based and Intelligent

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Knowledge Engineering for Modern Information Systems

Anand Sharma, Sandeep Kautish, Prateek Agrawal, Vishu Madaan, Charu Gupta, Saurav Nanda, 2022-01-19 Knowledge Engineering KE is a field within artificial intelligence that develops knowledgebased systems KE is the process of imitating how a human expert in a specific domain would act and take decisions It contains large amounts of knowledge like metadata and information about a data object that describes characteristics such as content quality and format structure and processes Such systems are computer programs that are the basis of how a decision is made or a conclusion is reached It is having all the rules and reasoning mechanisms to provide solutions to real world problems This book presents an extensive collection of the recent findings and innovative research in the information system and KE domain Highlighting the challenges and difficulties in implementing these approaches this book is a critical reference source for academicians professionals engineers technology designers analysts undergraduate and postgraduate students in computing science and related disciplines such as Information systems Knowledge Engineering Intelligent Systems Artificial Intelligence Cognitive Neuroscience and Robotics In addition anyone who is interested or involved in sophisticated information systems and knowledge engineering developments will find this book a valuable source of ideas and guidance

United States Civil Aircraft

Register Aeronautical Center (U.S.), 1964

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Constantin Volosencu, Serdar Küçük, José Guerrero, Oscar Valero, 2021-04-21 The book presents recent theoretical and practical information about the field of automation and control It includes fifteen chapters that promote automation and control in practical applications in the following thematic areas control theory autonomous vehicles mechatronics digital image processing electrical grids artificial intelligence and electric motor drives The book also presents and discusses applications that improve the properties and performances of process control with examples and case studies obtained from real world research in the field Automation and Control is designed for specialists engineers professors and students

Proceedings of the 12th International

Conference on Soft Computing for Problem Solving Millie Pant, Kusum Deep, Atulya Nagar, 2024-06-30 This book provides an insight into 12th International Conference on Soft Computing for Problem Solving SocProS 2023 organized by The Department of Applied Mathematics and Scientific Computing Saharanpur Campus of Indian Institute of Technology Roorkee India in conjunction with Continuing Education Center during 11-13 August 2023 This book presents the latest achievements and innovations in the interdisciplinary areas of soft computing machine learning and data science It covers original research papers in the areas of algorithms artificial neural network deep learning statistical methods genetic algorithm and particle swarm optimization and applications data mining and clustering computer vision medical and health care finance data envelopment analysis business and forecasting applications This book is beneficial for young as well as experienced researchers dealing across complex and intricate real world problems for which finding a solution by traditional methods is a difficult task

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