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KEY=GAS - BEST GILLIAN

STUDENT SOLUTIONS MANUAL FOR NONLINEAR DYNAMICS AND CHAOS, 2ND EDITION

CRC Press This official Student Solutions Manual includes solutions to the odd-numbered exercises featured in the second edition of Steven Strogatz's classic text **Nonlinear Dynamics and Chaos: With Applications to Physics, Biology, Chemistry, and Engineering**. The textbook and accompanying Student Solutions Manual are aimed at newcomers to nonlinear dynamics and chaos, especially students taking a first course in the subject. Complete with graphs and worked-out solutions, this manual demonstrates techniques for students to analyze differential equations, bifurcations, chaos, fractals, and other subjects Strogatz explores in his popular book.

APPLIED GAS DYNAMICS

John Wiley & Sons A revised edition to applied gas dynamics with exclusive coverage on jets and additional sets of problems and examples The revised and updated second edition of **Applied Gas Dynamics** offers an authoritative guide to the science of gas dynamics. Written by a noted expert on the topic, the text contains a comprehensive review of the topic; from a definition of the subject, to the three essential processes of this science: the isentropic process, shock and expansion process, and Fanno and Rayleigh flows. In this revised edition, there are additional worked examples that highlight many concepts, including moving shocks, and a section on critical Mach number is included that helps to illuminate the concept. The second edition also contains new exercise problems with the answers added. In addition, the information on ram jets is expanded with helpful worked examples. It explores the entire spectrum of the ram jet theory and includes a set of exercise problems to aid in the understanding of the theory presented. This important text: Includes a wealth of new solved examples that describe the features involved in the design of gas dynamic devices Contains a chapter on jets; this is the first textbook material available on high-speed jets Offers comprehensive and simultaneous coverage of both the theory and application Includes additional information designed to help with an understanding of the material covered Written for graduate students and advanced undergraduates in aerospace engineering and mechanical engineering, **Applied Gas Dynamics, Second Edition** expands on the original edition to include not only the basic information on the science of gas dynamics but also contains information on high-speed jets.

YS/T 509.9-2008: TRANSLATED ENGLISH OF CHINESE STANDARD. (YST 509.9-2008, YS/T509.9-2008, YST509.9-2008)

METHODS FOR CHEMICAL ANALYSIS OF SPODUMENE AND LEPIDOLITE CONCENTRATES - DETERMINATION OF FLUORINE CONTENT - ION SELECTIVE ELECTRODE METHOD [AFTER PAYMENT, WRITE TO & GET A FREE-OF-CHARGE, UNPROTECTED TRUE-PDF FROM: SALES@CHINESESTANDARD.NET]

<https://www.chinesestandard.net> [After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] This Part specifies the determination method of fluorine content in spodumene and lepidolite concentrates. This Part is applicable to the determination of fluorine content in spodumene and lepidolite concentrates. Measurement range: 1.00%~10.00%.

QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE OIL & GAS RIGS

Petrogav International The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview **Petrogav International** has prepared this eBooks that will help you to get a job in oil and gas industry.

Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 288 questions and answers for job interview and as a BONUS web addresses to 289 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

TECHNICAL QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE OIL & GAS RIGS

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273 TECHNICAL QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE OIL & GAS PLATFORMS

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FEEDBACK CONTROL OF DYNAMIC SYSTEMS

Pearson Higher Ed This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. For senior-level or first-year graduate-level courses in control analysis and design, and related courses within engineering, science, and management. Feedback Control of Dynamic Systems, Sixth Edition is perfect for practicing control engineers who wish to maintain their skills. This revision of a top-selling textbook on feedback control with the associated web site, FPE6e.com, provides greater instructor flexibility and student readability. Chapter 4 on A First Analysis of Feedback has been substantially rewritten to present the material in a more logical and effective manner. A new case study on biological control introduces an important new area to the students, and each chapter now includes a historical perspective to illustrate the origins of the field. As in earlier editions, the book has been updated so that solutions are based on the latest versions of MATLAB and SIMULINK. Finally, some of the more exotic topics have been moved to the web site.

100 TECHNICAL QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE DRILLING RIGS

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100 TECHNICAL QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE OIL & GAS RIGS

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273 TECHNICAL QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE DRILLING RIGS

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200 TECHNICAL QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE OIL & GAS RIGS

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KINEMATICS AND DYNAMICS OF MACHINES

SECOND EDITION

Waveland Press Kinematic and dynamic analysis are crucial to the design of mechanism and machines. In this student-friendly text, Martin presents the fundamental principles of these important disciplines in as simple a manner as possible, favoring basic theory over special constructions. Among the areas covered are the equivalent four-bar linkage; rotating vector treatment for analyzing multi-cylinder engines; and critical speeds, including torsional vibration of shafts. The book also describes methods used to manufacture disk cams, and it discusses mathematical methods for calculating the cam profile, the pressure angle, and the locations of the cam. This book is an excellent choice for courses in kinematics of machines, dynamics of machines, and machine design and vibrations.

GB 24747-2009: TRANSLATED ENGLISH OF CHINESE STANDARD. (GB24747-2009)

[GB/T 24747-2009] SAFETY TECHNOLOGY CONDITIONS FOR HEAT TRANSFER FLUIDS [TIPS: BUY HERE & GET ONLINE-READING AT GOOGLE. THEN, IF YOU NEED UNPROTECTED-PDF FOR OFFLINE-READING, WRITE TO WAYNE: SALES@CHINESESTANDARD.NET]

<https://www.chinesestandard.net> This Standard specifies the terms and definitions, general requirements, quality indicators and test methods, determination and disposal, inspection cycle and sampling, mixing, recycling for various types of heat transfer fluid boiler and its heat transfer system; as well as cleaning, replacement and rejection of heat transfer systems. This Standard is applicable to heat transfer fluids that use various heat transfer fluid boiler as heating equipment for indirect heating, and is not applicable to heat transfer fluid that are only used for freezing and low-temperature cooling.

GAME THEORY

AN INTRODUCTION

Princeton University Press The definitive introduction to game theory This comprehensive textbook introduces readers to the principal ideas and applications of game theory, in a style that combines rigor with accessibility. Steven Tadelis begins with a concise description of rational decision making, and goes on to discuss strategic and extensive form games with complete information, Bayesian games, and extensive form games with imperfect information. He covers a host of topics, including multistage and repeated games, bargaining theory, auctions, rent-seeking games, mechanism design, signaling games, reputation building, and information transmission games. Unlike other books on game theory, this one begins with the idea of rationality and explores its implications for multiperson decision problems through concepts like dominated strategies and rationalizability. Only then does it present the subject of Nash equilibrium and its derivatives. Game Theory is the ideal textbook for advanced undergraduate and beginning graduate students. Throughout, concepts and methods are explained using real-world examples backed by precise analytic material. The book features many important applications to economics and political science, as well as numerous exercises that focus on how to formalize informal situations and then analyze them. Introduces the core ideas and applications of game theory Covers static and dynamic games, with complete and incomplete information Features a variety of examples, applications, and exercises Topics include repeated games, bargaining, auctions, signaling, reputation, and information transmission Ideal for advanced undergraduate and beginning graduate students Complete solutions available to teachers and selected solutions available to students

ENGINEERING MECHANICS: STATICS, SI EDITION

Cengage Learning ENGINEERING MECHANICS: STATICS, 4E, written by authors Andrew Pytel and Jaan Kiusalaas, provides readers with a solid understanding of statics without the overload of extraneous detail. The authors use their extensive teaching experience and first-hand knowledge to deliver a presentation that's ideally suited to the skills of today's learners. This edition clearly introduces critical concepts using features that connect real problems and examples with the fundamentals of engineering mechanics. Readers learn how to effectively analyze problems before substituting numbers into formulas -- a skill that will benefit them tremendously as they encounter real problems that do not always fit into standard formulas. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

REINFORCEMENT LEARNING, SECOND EDITION

AN INTRODUCTION

MIT Press The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE DRILLING PLATFORMS

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for job interview and as a BONUS 290 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

ENCYCLOPAEDIA OF MATHEMATICS, SUPPLEMENT III

Springer Science & Business Media This is the third supplementary volume to Kluwer's highly acclaimed twelve-volume Encyclopaedia of Mathematics. This additional volume contains nearly 500 new entries written by experts and covers developments and topics not included in the previous volumes. These entries are arranged alphabetically throughout and a detailed index is included. This supplementary volume enhances the existing twelve volumes, and together, these thirteen volumes represent the most authoritative, comprehensive and up-to-date Encyclopaedia of Mathematics available.

QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE DRILLINGS RIGS

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ROUNABOUTS AS SAFE AND MODERN SOLUTIONS IN TRANSPORT NETWORKS AND SYSTEMS

15TH SCIENTIFIC AND TECHNICAL CONFERENCE "TRANSPORT SYSTEMS. THEORY AND PRACTICE 2018", KATOWICE, POLAND, SEPTEMBER 17-19, 2018, SELECTED PAPERS

Springer This book offers a collection of guidelines that will be particularly useful to those making decisions concerning roundabouts as safe and modern solutions in transport networks and systems. The decision-making support systems described here will interest those who face the challenge of finding solutions to problems concerning modern transport systems on a daily basis. Consequently, the book is chiefly intended for local authorities involved in planning and preparing development strategies for specific transport-related issues (in both urban and regional contexts), as well as for representatives of business and industry who are directly engaged in the implementation of traffic engineering solutions. The guidelines provided in the respective chapters help to address the given problem soundly, and to simplify the selection of an appropriate strategy. The topics covered include traffic conditions and the performance of single-lane, two-lane and turbo roundabouts, road traffic safety analysis, analysis of road traffic safety improvements, surrogate safety measures at roundabouts, analysis of pedestrian behavior at pedestrian crossings with public transport vehicles, methods for assessing vehicle motion trajectory at single-lane roundabouts using visual techniques, making compact two-lane roundabouts effective for vulnerable road users, concepts for wireless electric vehicle charging near roundabouts, work zones, and temporary traffic control at roundabouts. Since the book also considers new approaches to theoretical models (including modeling roundabout capacity, models of critical gaps and follow-up headways for turbo roundabouts, and estimating roundabout delay while taking into account pedestrian impact), it will also appeal to researchers and scientists studying these problems. The book gathers selected papers presented at the 15th Scientific and Technical Conference "Transport Systems. Theory and Practice", organized by the Department of Transport Systems and Traffic Engineering, Silesian University of Technology in Katowice, Poland on September 17-19, 2018.

JOB INTERVIEW QUESTIONS AND ANSWERS FOR EMPLOYMENT ON OFFSHORE OIL & GAS PLATFORMS

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TECHNICAL QUESTIONS AND ANSWERS FOR JOB INTERVIEW OFFSHORE DRILLING PLATFORMS

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PROCEEDINGS OF THE ... ASME DESIGN ENGINEERING TECHNICAL CONFERENCES

GB/T 14571.1-2016: TRANSLATED ENGLISH OF CHINESE STANDARD. (GBT 14571.1-2016, GB/T14571.1-2016, GBT14571.1-2016)

TEST METHOD OF MONOETHYLENE GLYCOL FOR INDUSTRIAL USE - PART 1: DETERMINATION OF ACIDITY - TITRATION METHOD [AFTER PAYMENT, WRITE TO & GET A FREE-OF-CHARGE, UNPROTECTED TRUE-PDF FROM: SALES@CHINESESTANDARD.NET]

<https://www.chinesestandard.net> [After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] This Part of GB/T 14571 specifies manual titration method and potentiometric titration method for determination of acidity of monoethylene glycol for industrial use. Manual titration method of this Part is applicable to the determination of monoethylene glycol for industrial use of which the acidity is 2mg/kg~200mg/kg. Potentiometric titration method is applicable to the determination of monoethylene glycol for industrial use of which the acidity is 1mg/kg~200mg/kg.

17TH INTERNATIONAL CONFERENCE ON DESIGN THEORY AND METHODOLOGY

POWER TRANSMISSION AND GEARING CONFERENCE

COMPUTATIONAL SCIENCE - ICCS 2022

22ND INTERNATIONAL CONFERENCE, LONDON, UK, JUNE 21-23, 2022, PROCEEDINGS, PART IV

Springer Nature The four-volume set LNCS 13350, 13351, 13352, and 13353 constitutes the proceedings of the 22nd International Conference on Computational Science, ICCS 2022, held in London, UK, in June 2022.* The total of 175 full papers and 78 short papers presented in this book set were carefully reviewed and selected from 474 submissions. 169 full and 36 short papers were accepted to the main track; 120 full and 42 short papers were accepted to the workshops/ thematic tracks. *The conference was held in a hybrid format

QUESTION & ANSWER CONSTITUTIONAL AND ADMINISTRATIVE LAW

Pearson UK

SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS

ENGLISH AS A GLOBAL LANGUAGE

Cambridge University Press David Crystal's classic English as a Global Language considers the history, present status and future of the English language, focusing on its role as the leading international language. English has been deemed the most 'successful' language ever, with 1500 million speakers internationally, presenting a difficult task to those who wish to investigate it in its entirety. However, Crystal explores the subject in a measured but engaging way, always backing up observations with facts and figures. Written in a detailed and fascinating manner, this is a book written by an expert both for specialists in the subject and for general readers interested in the English language.

GAS DYNAMICS

PHI Learning Pvt. Ltd.

DYNAMICAL SYSTEMS: MODELLING

ŁÓDŹ, POLAND, DECEMBER 7-10, 2015

Springer The book is a collection of contributions devoted to analytical, numerical and experimental techniques of dynamical systems, presented at the international conference "Dynamical Systems: Theory and Applications," held in Łódź, Poland on December 7-10, 2015. The studies give deep insight into new perspectives in analysis, simulation, and optimization of dynamical systems, emphasizing directions for future research. Broadly outlined topics covered include: bifurcation and chaos in dynamical systems, asymptotic methods in nonlinear dynamics, dynamics in life sciences and bioengineering, original numerical methods of vibration analysis, control in dynamical systems, stability of dynamical systems, vibrations of lumped and continuous systems, non-smooth systems, engineering systems and differential equations, mathematical approaches to dynamical systems, and mechatronics.

FUNDAMENTALS OF STRUCTURAL DYNAMICS

John Wiley & Sons From theory and fundamentals to the latest advances in computational and experimental modal analysis, this is the definitive, updated reference on structural dynamics. This edition updates Professor Craig's classic introduction to structural dynamics, which has been an invaluable resource for practicing engineers and a textbook for undergraduate and graduate courses in vibrations and/or structural dynamics. Along with comprehensive coverage of structural dynamics fundamentals, finite-element-based computational methods, and dynamic testing methods, this Second Edition includes new and expanded coverage of computational methods, as well as introductions to more advanced topics, including experimental modal analysis and "active structures." With a systematic approach, it presents solution techniques that apply to various engineering disciplines. It discusses single degree-of-freedom (SDOF) systems, multiple degrees-of-freedom (MDOF) systems, and continuous systems in depth; and includes numeric evaluation of modes and frequency of MDOF systems; direct integration methods for dynamic response of SDOF systems and MDOF systems; and component mode synthesis. Numerous illustrative examples help engineers apply the techniques and methods to challenges they face in the real world. MATLAB(r) is extensively used throughout the book, and many of the .m-files are made available on the book's Web site. Fundamentals of Structural Dynamics, Second Edition is an indispensable reference and "refresher course" for engineering professionals; and a textbook for seniors or graduate students in mechanical engineering, civil engineering, engineering mechanics, or aerospace engineering.

SYSTEM DYNAMICS AND RESPONSE

CI-Engineering As engineering systems become more increasingly interdisciplinary, knowledge of both mechanical and electrical systems has become an asset within the field of engineering. All engineers should have general facility with modeling of dynamic systems and determining their response and it is the objective of this book to provide a framework for that understanding. The study material is presented in four distinct parts; the mathematical modeling of dynamic systems, the mathematical solution of the differential equations and integro differential equations obtained during the modeling process, the response of dynamic systems, and an introduction to feedback control systems and their analysis. An Appendix is provided with a short introduction to MATLAB as it is frequently used within the text as a computational tool, a programming tool, and a graphical tool. SIMULINK, a MATLAB based simulation and modeling tool, is discussed in chapters where the development of models use either the transfer function approach or the state-space method.

INTERNATIONAL CONVERGENCE OF CAPITAL MEASUREMENT AND CAPITAL STANDARDS

A REVISED FRAMEWORK

Lulu.com

DYNAMICS OF MARINE SANDS

A MANUAL FOR PRACTICAL APPLICATIONS

Thomas Telford The practical engineer looking for an urgent solution to a sediment-related project often finds that the results of the relevant academic research are published in unfamiliar language in publications that are not easily available. Dynamics of marine sands bridges the gap between academic research and practical applications by summarising the research results in a unified form, backed up with worked examples and case studies.

JOB INTERVIEW QUESTIONS AND ANSWERS FOR HIRING ON OFFSHORE OIL AND GAS RIGS

Petrogav International Petrogav International provides courses for participants that intend to work on offshore drilling and production platforms. Training courses are taught by professionals from the oil and gas industry with current knowledge and years of field experience. The participants will get all the necessary competencies to work on the offshore drilling platforms and on the offshore production platforms. It is intended also for non-drilling and non-production personnel who work in drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. This course provides a non-technical overview of the phases, operations and terminology used on offshore oil and gas platforms. It is intended also for non-production personnel who work in the offshore drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. No prior experience or knowledge of drilling operations is required. This course will provide participants a better understanding of the issues faced in all aspects of production operations, with a particular focus on the unique aspects of offshore operations.

KNOWLEDGE-BASED DYNAMIC CAPABILITIES

THE ROAD AHEAD IN GAINING ORGANIZATIONAL COMPETITIVENESS

Springer This book provides a knowledge-based view to the dynamic capabilities in an organization. The author integrates two existing views on gaining competitive advantage: the Knowledge View which suggests that the capability of organizations to learn faster than competitors is the only source of competitiveness; and the Dynamic Capability View which speculates that a firm's competitive advantage rests on dynamic capabilities which enable a firm to constantly renew the stock of ordinary organizational capabilities in accordance with the changes in the business environment. Using the IT sector in India as a case study, this book provides and tests a new framework--Knowledge-Based Dynamic Capabilities—in the prediction of competitive advantage in organizations.

VIRTUAL REALITY TECHNOLOGY

John Wiley & Sons A groundbreaking Virtual Reality textbook is now even better Virtual reality is a very powerful and compelling computer application by which humans can interface and interact with computer-generated environments in a way that mimics real life and engages all the senses. Although its most widely known application is in the entertainment industry, the real promise of virtual reality lies in such fields as medicine, engineering, oil exploration and the military, to name just a few. Through virtual reality scientists can triple the rate of oil discovery, pilots can dogfight numerically-superior "bandits," and surgeons can improve their skills on virtual (rather than real) patients. This Second Edition of the first comprehensive technical book on the subject of virtual reality provides updated and expanded coverage of the technology--where it originated, how it has evolved, and where it is going. The authors cover all of the latest innovations and applications that are making virtual reality more important than ever before, including: * Coverage on input and output interfaces including touch and force feedback * Computing architecture (with emphasis on the rendering pipeline and task distribution) * Object modeling (including physical and behavioral aspects) * Programming for virtual reality * An in-depth look at human factors issues, user performance, and * sensorial conflict aspects of VR * Traditional and emerging VR applications The new edition of Virtual Reality Technology is specifically designed for use as a textbook. Thus it includes definitions, review questions, and a Laboratory Manual with homework and programming assignments. The accompanying CD-ROM also contains video clips that reinforce the topics covered in the textbook. The Second Edition will serve as a state-of-the-art resource for both graduate and undergraduate students in engineering, computer science, and other disciplines. GRIGORE C. BURDEA is a professor at Rutgers-the State University of New Jersey, and author of the book Force and Touch Feedback for Virtual Reality, also published by Wiley. PHILIPPE COIFFET is a Director of Research at CNRS (French National Scientific Research Center) and Member of the National Academy of Technologies of France. He authored 20 books on Robotics and VR

translated into several languages.

GB 5009.227-2016: TRANSLATED ENGLISH OF CHINESE STANDARD. GB5009.227-2016

NATIONAL FOOD SAFETY STANDARD - DETERMINATION OF PEROXIDE VALUE IN FOODS [AFTER PAYMENT, WRITE TO & GET A FREE-OF-CHARGE, UNPROTECTED TRUE-PDF FROM: SALES@CHINESESTANDARD.NET]

<https://www.chinesestandard.net> [After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] This Standard specifies two methods of determining peroxide value in foods: titration and potentiometric titration. In this Standard, Method I is applicable to edible animal and vegetable fats and oils, and edible oil products, as well as food processed through deep-frying, puffing, baking, modulating and frying from plant-based food as the raw material, such as wheat flour, cereal and nut, etc.; food processed through quick freezing, dry-cure and pickling from animal-based food as the raw material. Method II is applicable to animal and vegetable fats, and margarine, and the range of measurement is 0 g/100 g ~ 0.38 g/100 g. This Standard is not applicable to the determination of embedded oil and fat products, for example, non-dairy creamer.