
These guidelines, prepared for Bank-assisted Development Finance Companies, explain how to calculate financial and economic rates of return. The approach concentrates on capital productivity and efficiency, and makes no allowance for income distribution effects. The financial rate of return indicates efficiency of resource use in the context of market prices. The economic rate of return indicates efficiency of resource use when prices are adjusted to reflect relative economic scarcities. Traded inputs and outputs are valued at the border, and domestic factors of production are shadow-priced and converted into border prices. The guidelines offer a series of explanatory notes, standard tables, a note concerning the algebra of the net present value and domestic resource cost measures, illustrative case studies, a glossary of terms and a select bibliography.

Computer Program for Calculating and Plotting Fire Direction and Rate of Spread-James E. Eenigenburg 1987

Credit Charges-Great Britain. Office of Fair Trading 1980

Calculation and Use of First-order Rate Constants for Monitored Natural Attenuation Studies-Charles J. Newell 2002

Medical Dosage Calculations For Dummies-Richard Snyder 2011-05-09

Score your highest in a
medical dosage calculations course A recent shortage of nurses in a society with an aging population has triggered the demand for students to enter the field of medical study. A dosage calculations course is required for most students earning an applied science degree in nursing, pharmacology, or paramedic programs. Medical Dosage Calculations For Dummies tracks a typical dosage calculations course and provides helpful content in an approachable and easy-to-understand format. Plus, you'll get examples of the various calculations made to determine the appropriate quantity of drug or solution that should be administered to patients. Calculating drug dosages utilizing ratio-proportion, formula, and dimensional analysis Systems of measurement, including metric and apothecary and other conversion equivalents for a global audience The ins and outs of the charting systems for MAR (Medicine Administration Records) If you're one of the hundreds of thousands of students aspiring to enter the medical field, Medical Dosage Calculations For Dummies is your ticket for scoring your highest on exams.

Excel 2007: Financial Analysis-Cortés Farey 2019-06-08 Numbers and financial data drives today's business world and Excel 2007: Financial Analysis can help decode this information. The proper understanding of these numbers, and the formulas behind them, can be the gateway to corporate and personal success. Microsoft MVP (Most Valuable Professional) Cortés Farey teaches basic fluency in corporate finance, enabling users to see the meaning behind essential financial calculations. Cortés explains how to review formulas to ensure they have the proper inputs and shows how to interpret formula output. He also covers how to calculate leverage ratios and amortization and depreciation schedules, as well as forecast future growth. Exercise files accompany this course. Topics include: • Building a financial worksheet with Pivot Tables Reviewing financial statements through common-sized balance sheets Calculating percentage change over time in
financial statements Determining profitability ratios and return on investments Studying liquidity and activity ratios through an average collection period Computing the future value of an investment This course will show you how to implement several ratio and interest rate calculations, as well as look at several techniques for predicting future performance and analysing bond investments. Financial analysis in Excel requires a basic knowledge of implementing formulas and formatting data in an Excel worksheet. If you are not familiar with these areas, you might want to check out Excel Essential Training before watching this course. As a Microsoft Most Valuable Professional, our goal in this course is to help you unlock Excel's ability to support your work as a financial analyst. The skills acquired from this version are mostly applicable to newer versions of Excel. If you think that Microsoft Excel is only for business purposes, you are wrong. Many use it for various personal needs at home too. Some of the features that you should understand about Microsoft Excel to unlock the potentiality of this application are working with spreadsheets, cell formatting, various menus and toolbars, entering of data and editing the same, navigating between various spreadsheets, formula calculation, inserting various functions like date/time, mathematical functions, using of various charts that are available, inserting, editing and deleting comments on cells, etc. Computer Based Training (CBT) is a way to master MS Excel. This is where you take your own time to master the application. With the help of CBT, you get realistic, interactive and complete training. You get to learn right from what a beginner should learn to advanced level. Once the training is over, you would have mastered Microsoft Excel. You get to see simulations of Microsoft Excel application software. Some CBT also offer review quiz questions to gauge your understanding. CBT generally offer interactive, complete and comprehensive training. As it offers practice questions, you will be able to understand better and gain confidence in using the application. According to me, this is one
of the best ways to learn Microsoft Excel. The concept of spreadsheeting has been around for hundreds of years. The process can be described as the ability to arrange numbers, characters and other objects into rows and columns. It is most common that spreadsheets only contain numbers and text. The software version of spreadsheeting basically takes the manual processes described above and puts them into an electronic format. Whilst the accounting industry which most commonly uses spreadsheets they can be used in any situation.

International Finance For Dummies-Ayse Evrensel 2013-04-05 Want to get the most out of your International Finance course? Nowadays the value of daily foreign exchange trading is more than one hundred times the value of annual international trade in goods and services. As result of the great importance of international financial transactions, the subject of international finance continues to develop as fast as—or faster than—any other field in economics and finance. International Finance For Dummies sheds light on this increasingly important subject for the growing number of students required to take this course. If you’re an undergraduate or MBA student enrolled in an international finance course, this hands-on, friendly guide gives you everything you need to succeed. Plus, it includes up-to-date information on the latest changes to International Finance Reporting Standards, its impact on a company’s overall finances, and the various currencies and institutions available worldwide. Serves as an excellent supplement to your international finance texts. Provides easy-to-understand explanations of complex material. Brings you up-to-speed on the concepts and subject matter you need to know. International Finance For Dummies is your ticket to scoring your highest in your international finance course.

Accounting All-in-One For Dummies-Kenneth W. Boyd 2018-03-12 Your all-in-one accounting resource. If you’re a numbers person, it’s your lucky day! Accounting jobs are on the rise — in fact,
the Bureau of Labor Statistics projects a faster-than-average growth rate of 11% in the industry through 2024. So, if you’re seeking long-term job security while also pursuing your passion, you’ll be stacking the odds in your favor by starting a career in accounting. Accountants don’t necessarily lead a solitary life behind a desk in a bank. The field offers opportunities in auditing, budget analysis, financial accounting, management accounting, tax accounting, and more. In Accounting All-in-One For Dummies, you’ll benefit from cream-of-the-crop content culled from several previously published books. It’ll help you to flourish in whatever niche you want to conquer in the wonderful world of accounting. You’ll also get free access to a quiz for each section of the book online. Report on financial statements Make savvy business decisions Audit and detect financial fraud Handle cash and make purchasing decisions Get free access to topic quizzes online If you’re a student studying the application of accounting theories or a professional looking for a valuable desktop reference you can trust, this book covers it all.

Error with Errorlog-Manish Kalia
The Elements of Chemical Kinetics and Reactor Calculations (a Self-paced Approach)-H. Scott Fogler 1974 Primarily aimed at the junior - senior level student in chemical engineering.

Foreign Exchange Market-Dun And Bradstreet 2007-02-01 Globalization and increasing internationalization of financial transactions has profoundly transformed the Foreign Exchange Markets, not only in size, but also in complexity, variety of products, number of players, technology use and settlement processes. Given the volatility in these markets and the direct impact on profitability of the enterprise, managing the foreign exchange exposure remains a great challenge for any organization. Foreign Exchange Markets, written in an easy-to-read form provides a better understanding of these markets. It covers the entire gamut of the domain including spot, forward...
and swap markets. Also the book addresses issues related to foreign exchange risk management and provides insights on mitigating it.

Calculus-Gilbert Strang 2016-03-30
Gray Morris's Calculate with Confidence, Canadian Edition - E-Book-Tania N Killian 2021-02-13
Learn to calculate dosages accurately and administer drugs safely! Gray Morris’s Calculate with Confidence, Second Canadian Edition uses a clear, step-by-step approach to make drug dosage calculations easy. More than 2,000 practice questions help you review basic math and then master the three standard methods of dosage calculation: ratio and proportion, formula, and dimensional analysis. With the increasing responsibility of the nurse in mind, emphasis is placed on critical thinking and clinical reasoning in preventing medication errors. Reflecting current practice in Canadian health care, this book also provides excellent preparation for Canadian licensure exams! SI measurement units and generic/Canadian drug names are included throughout the text. Practice problems and real-world examples help students master correct dosage calculations and safe medication administration, with rationales included in practice problem answers to enhance the understanding of principles. Tips for Clinical Practice boxes summarize information critical to math calculation and patient safety. Safety Alert! boxes highlight common medication errors and identify actions that must be taken to avoid calculation errors. Chapter Review problems test student knowledge of all major topics presented in the chapter. Pre-Test review includes practice problems to help students assess their basic math skills and identify their strengths and weaknesses, covering fractions, decimals, percentages, and ratio and proportion. Post-Test in Unit One allows students to assess and evaluate their understanding after completing the chapters on basic math. Comprehensive Post-Test at the end of the book covers dosage calculations and conversions, using
real-life drug labels and situations. NCLEX® exam-style questions on Evolve help students prepare for the type of questions seen on the NCLEX-RN® Examination. NEW! Next Generation NCLEX-RN® exam-style case studies on the Evolve website provide drug calculation practice for the Next Generation NCLEX Examination. NEW! Increased number of Clinical Reasoning exercises builds students’ critical thinking skills, with a focus on preventing medication errors. NEW! Thoroughly updated content includes the latest Health Canada-approved medications, current drug labels, the latest research, Canadian statistics, commonly used abbreviations, and recommended practices related to medication errors and their prevention. NEW! A-Z medication index references the page numbers where drug labels can be found. NEW! Tips for Clinical Practice from the text are now available on Evolve in printable, easy-reference format.

Foundations and Applications of the Time Value of Money-Pamela Peterson Drake 2009-07-30 Comprehensive coverage of the time value of money In this book, authors Pamela Peterson Drake and Frank Fabozzi fully expand upon the type of time value of money (TVM) concepts usually presented as part of overviews given in other general finance books. Various TVM concepts and theories are discussed, with the authors offering many examples throughout each chapter that serve to reinforce the tools and techniques covered. Problems and detailed solutions-demonstrated using two different financial calculators, as well as Excel-are also provided at the end of each chapter, while glossary terms are provided in an appendix to familiarize you with basic terms. Provides the basic foundations of the time value of money Covers issues ranging from an introduction of financial mathematics to calculating present/future values and understanding loan amortization Contains problem/solution sets throughout, so you can test your knowledge of the topics discussed Understanding the time value of money is essential, and this reliable resource will help you gain a
firm grasp of its many aspects and its real-world applications.

An Accurate and Efficient Method to Calculate the Rate of Single Event Upsets from the LET Spectrum and SEU Cross Section Test Results—D. L. Chenette 1992

Logarithms to 12 Places and Their Use in Interest Calculations—Charles Ezra Sprague 1910

Corporate Real Estate Handbook—Robert A. Silverman 1987 Written for every professional working in the corporate real estate field from senior corporate real estate executives to junior practitioners, this valuable book provides the information & know-how necessary to evaluate a company's real estate holdings & to properly manage these often underused & undervalued assets to help cut costs & generate profits. Sixteen experts active in corporate real estate practice draw on their real-life experiences to show readers how to identify properties that are ripe for sale or development, determine value & negotiate the best deals, control costs, choose the right consultants, & diversify into other profitable areas of real estate.

FCC Record—United States. Federal Communications Commission 1989

Commercial Bordeaux Mixtures—Errett Wallace 1918 "Bordeaux mixture is the only reliable preventative for certain diseases of plants and must be used despite the present high price of copper sulphate. Since commercial Bordeaux mixtures vary widely in copper content it is necessary for the grower to know their strength in terms of the amount of equivalent copper sulphate in 50 gallons when diluted. This can easily be calculated by the method described in this bulletin or can be approximately determined without calculation by reference to Tables I and II. After the strength of the product is known, the relative money value of its ingredients can be easily calculated. Physical properties, such as adhesiveness, texture, spreading quality, and rate of settling also are important factors in determining the efficiency of Bordeaux mixtures. The grower should regard spraying as an
insurance and preventative and should always be prepared for an epidemic of the disease he expects to combat. If he wishes to insure good control, he should, therefore, use a preparation equivalent to the standard Bordeaux mixture recommended for that purpose."--Page 2.

Rule #1-Phil Town 2006-03-21 In this book, self-made millionaire Phil Towns will show you how he turned $1,000 into $1 million in only five years, and then proceeded to make many millions more. Before I became “Phil Town, teacher of investing principles to more than 500,000 people a year,” I was a lot like you: someone who viewed individual stock investing as way too hard to do successfully. As a guy who barely made a living as a river guide, I considered the whole process pretty impenetrable, and I was convinced that to do it right you had to make it a full-time job. Me, I was more interested in having full-time fun. So I was tempted to do what you’re probably doing right now: letting some mutual fund manager worry about growing your nest egg. Let me tell you why that decision could one day make you absolutely miserable. The fact is, because of natural market cycles, the mutual fund industry is likely to soon be facing twenty years of flat returns. That means that if you’ve got your nest egg tucked away in funds—especially the type found in most 401ks—your egg won’t get much bigger than it is now. Translation: Get ready for a retirement filled with lots of cold cuts, plenty of quality TV-watching time, and a place to live that’s too small to accommodate your visiting kids. I came to investing as a person who wasn’t great at math, possessed zero extra cash, and wanted a life—not an extra three hours of work to do every day. Fortunately, I was introduced to The Rule. Rule #1, as famed investor Warren Buffett will tell you, is don’t lose money. Through an intriguing process that I’ll clarify in this book, not losing money results in making more money than you ever imagined. What it comes down to is buying shares of companies only when the numbers—and the intangibles—are on your side. If that sounds too good to be true, it’s because the
mind-set I’ll be introducing you to leads not to bets but to certainties. Believe me, if there were anything genius-level about this, I’d still be a river guide collecting unemployment much of the year. Part of the secret is thinking of yourself as a business owner rather than a stock investor. Part is taking advantage of today’s new Internet tools, which drastically reduce the “homework factor.” (We’re talking a few minutes, tops.) Part is knowing the only five numbers that really count in valuing a potential investment. And part—maybe the most important part—is using the risk-free Rule #1 approach to consistently pay a mere 50 cents to buy a dollar’s worth of a business. What I won’t waste your time with is fluff: a lot of vague parables reminding you of what you already know and leaving you exactly where you started. This is the real deal, folks: a start-to-finish, one-baby-step-at-a-time approach that will allow you to retire ten years sooner than you planned, with more creature comforts than you ever imagined.

A Method to Calculate an Appropriate Rate of Interest for Eminent Domain Takings-Shabbir T. Nomanbhoy 1980
California. Court of Appeal (2nd Appellate District). Records and Briefs-California (State). Number of Exhibits: 6

Market Quality and Precooling Rates of Strawberries Packed in Various Containers-C. Max Harris 1969

Recommended Practice for Measuring Net Benefits and Internal Rates of Return for Investments in Buildings and Building Systems-Harold E. Marshall 1983 This report describes how to calculate net benefits (savings) and internal rates of return and how to use them in selecting building designs and building systems that will be cost effective over time. Net benefits are the difference between positive benefits or cost reductions (savings) and project costs, measured in present value or annual
value dollars. The net benefits method is used to decide if a given project is cost effective and which size or design for a given purpose is most cost effective when no budget constraint exists. The internal rate of return on an investment is the compound rate of interest that, when used to discount the streams of dollar benefits (savings) and dollar costs over a defined study period, will make the two equal. The internal rate of return is used to determine if a given project is cost effective, to compare the relative cost effectiveness of different purpose projects competing for a limited budget, and, when calculated on incremental changes in benefits and costs, to evaluate which size or design for a given purpose is most cost effective. The report describes formulae for calculating net benefits and the internal rate of return, their applications in selecting cost-effective projects, and limitations in their use. This recommended practice for measuring net benefits and internal rates of return will assist the private and public building communities in making cost-effective decisions in the design, operation, maintenance, and retrofit of buildings.

O-level Mathematics Challenging Drill Questions (Concise) (Yellowreef)-Thomas Bond 2013-11-07 • questions from top schools since 2003 • complete answer keys • topical order to facilitate drilling • complete and true encyclopedia of question-types • comprehensive “trick” questions revealed • tendency towards carelessness is greatly reduced • complete edition and concise edition eBooks available

Quarterly Publications of the American Statistical Association- 1921


Refrigeration Systems and Applications-Ibrahim Dincer 2017-03-22 The definitive text/reference for students, researchers and practicing engineers This book provides comprehensive coverage on
refrigeration systems and applications, ranging from the fundamental principles of thermodynamics to food cooling applications for a wide range of sectoral utilizations. Energy and exergy analyses as well as performance assessments through energy and exergy efficiencies and energetic and exergetic coefficients of performance are explored, and numerous analysis techniques, models, correlations and procedures are introduced with examples and case studies. There are specific sections allocated to environmental impact assessment and sustainable development studies. Also featured are discussions of important recent developments in the field, including those stemming from the author’s pioneering research. Refrigeration is a uniquely positioned multi-disciplinary field encompassing mechanical, chemical, industrial and food engineering, as well as chemistry. Its wide-ranging applications mean that the industry plays a key role in national and international economies. And it continues to be an area of active research, much of it focusing on making the technology as environmentally friendly and sustainable as possible without compromising cost efficiency and effectiveness. This substantially updated and revised edition of the classic text/reference now features two new chapters devoted to renewable-energy-based integrated refrigeration systems and environmental impact/sustainability assessment. All examples and chapter-end problems have been updated as have conversion factors and the thermophysical properties of an array of materials. Provides a solid foundation in the fundamental principles and the practical applications of refrigeration technologies Examines fundamental aspects of thermodynamics, refrigerants, as well as energy and exergy analyses and energy and exergy based performance assessment criteria and approaches Introduces environmental impact assessment methods and sustainability evaluation of refrigeration systems and applications Covers basic and advanced (and hence integrated) refrigeration cycles and systems, as well as a range of novel applications Discusses crucial
industrial, technical and operational problems, as well as new performance improvement techniques and tools for better design and analysis. Features clear explanations, numerous chapter-end problems and worked-out examples. Refrigeration Systems and Applications, Third Edition is an indispensable working resource for researchers and practitioners in the areas of Refrigeration and Air Conditioning. It is also an ideal textbook for graduate and senior undergraduate students in mechanical, chemical, biochemical, industrial and food engineering disciplines.

Calculation of Drug Dosages - E-Book-Sheila J. Ogden 2015-01-29 Known for its textbook/workbook format, Calculation of Drug Dosages, 10th Edition makes it easy to master the ratio and proportion, formula, and dimensional analysis methods for drug calculation. A basic review of mathematics refreshes your math skills, and plenty of practice problems help you overcome any inexperience or weaknesses you may have. Written by nursing experts Sheila Ogden and Linda Fluharty, this resource helps you calculate drug dosages accurately and with confidence. An extensive math review covers the basic math skills essential for accurate calculation of drug dosages and helps you identify your strengths and weaknesses. Over 1,800 practice problems reinforce your understanding of drug calculations. A logical structure is organized from simple to complex, making it easier to absorb and retain knowledge. Learning objectives keep you focused and explain what you should accomplish upon completion of each chapter. An Alert box highlights information crucial to math calculation and patient safety. Chapter worksheets allow you to practice solving realistic problems. Post-tests at the end of each chapter let you assess your understanding of content. A comprehensive post-test at the end of the book offers additional practice and accurately gauges your overall understanding. Over 600 practice problems on the Evolve companion website cover ratio-proportion, formula, and dimensional analysis methods. 25 flash cards on Evolve contain abbreviations.
formulas, and conversions from the book, allowing you to study at your own pace. UPDATED drug labels and equipment photos show the latest drugs and technology used in the market. NEW! Additional Intake and Output problems are included, and the apothecary method is minimized and moved to the appendix. NEW! Easy-access answer key is placed at the end of each chapter rather than in the back of the book.

Exposure and Risk Assessment of Pesticide Use in Agriculture-Claudio Colosio 2020-11-27 Exposure and Risk Assessment of Pesticide Use in Agriculture: Approaches, Tools and Advances offers an overview of the different methods available in toxicology for pesticide exposure and risk assessment, ranging from the regulatory field, to in-field research studies. The book provides technical background on each method, describing known and grounded tools, new uses of tools and development prospects. This book is ideal for researchers in pesticide toxicology, exposure toxicology, toxicologic risk assessment, occupational hygiene and medicine, and pesticide toxicology as well as occupational health and industrial hygiene practitioners, regulatory experts of corporate and public bodies, and advanced students. Covers pesticide exposure and risk assessment, ranging from fundamentals to advanced theory Explains methods that are useful for both experts and non-experts Details the use of each method for exposure and risk assessment, also including links to additional resources and further reading

Reduced Equations for Calculating the Combustion Rates of Jet-A and Methane Fuel-Melissa Molnar 2013-08 Simplified kinetic schemes for Jet-A and methane fuels were developed to be used in numerical combustion codes, such as the National Combustor Code (NCC) that is being developed at Glenn. These kinetic schemes presented here result in a correlation that gives the chemical kinetic time as a function of initial overall cell fuel/air ratio, pressure, and temperature. The correlations
would then be used with the turbulent mixing times to determine the limiting properties and progress of the reaction. A similar correlation was also developed using data from NASA’s Chemical Equilibrium Applications (CEA) code to determine the equilibrium concentration of carbon monoxide as a function of fuel air ratio, pressure, and temperature. The NASA Glenn GLSENS kinetics code calculates the reaction rates and rate constants for each species in a kinetic scheme for finite kinetic rates. These reaction rates and the values obtained from the equilibrium correlations were then used to calculate the necessary chemical kinetic times. Chemical kinetic time equations for fuel, carbon monoxide, and NOx were obtained for both Jet-A fuel and methane.


Calculations for Molecular Biology and Biotechnology-Frank H. Stephenson 2010-07-30 Calculations for Molecular Biology and Biotechnology: A Guide to Mathematics in the Laboratory, Second Edition, provides an introduction to the myriad of laboratory calculations used in molecular biology and biotechnology. The book begins by discussing the use of scientific notation and metric prefixes, which require the use of exponents and an understanding of significant digits. It explains the mathematics involved in making solutions; the characteristics of cell growth; the multiplicity of infection; and the quantification of nucleic acids. It includes chapters that deal with the mathematics involved in the use of radioisotopes in nucleic acid research; the synthesis of oligonucleotides; the polymerase chain reaction (PCR) method; and the development of recombinant DNA technology. Protein quantification and the assessment of protein activity are also discussed, along with the centrifugation method and applications of PCR in forensics and paternity testing. Topics range from
basic scientific notations to complex subjects like nucleic acid chemistry and recombinant DNA technology Each chapter includes a brief explanation of the concept and covers necessary definitions, theory and rationale for each type of calculation Recent applications of the procedures and computations in clinical, academic, industrial and basic research laboratories are cited throughout the text New to this Edition: Updated and increased coverage of real time PCR and the mathematics used to measure gene expression More sample problems in every chapter for readers to practice concepts

Mass Spectrometry and Stable Isotopes in Nutritional and Pediatric Research-Henk Schierbeek 2017-01-30 A guide for scientists, pediatricians and students involved in metabolic studies in pediatric research Addresses the availability of modern analytical techniques and how to apply these techniques in metabolic studies Covers the whole range of available mass spectrometric techniques used for metabolic studies including Stable Isotope Methodology Presents the relevance of mass spectrometry and stable isotope methodology in pediatric research covering applications in Nutrition, Obesity, Metabolic Disorders, and Kidney Disorders Focuses on the interactions between nutrients and the endogenous metabolism within the body and how these factors affect the health of a growing infant

Productivity Theory for Industrial Engineering-Ryspek Usubamatov 2018-05-15 The mathematical models of productivity theory allows for the productivity rate of manufacturing machines and systems to be modelled with results that are validated by their actual output. This book presents the analytical approaches and methods to define maximal productivity rate of manufacturing machines and systems, based on the parameters of technological processes, structural design, reliability of mechanisms, and management systems.
Method for Calculating the Fractional Rate of Radioactivity Deposition for a Range of Yields and Various Particle Size - Activity Distributions - J. H. Gogolin 1984 A set of empirical equations is produced to calculate the fractional arrival rate of radioactivity of the ground where the radioactivity is the result of a nuclear surface burst. A total of 20 such equations are given for four log-normal particle size distributions and five nuclear yields from 1KT to 15MT. The fractional arrival rate of radioactivity on the ground, \( g(t) \), data for the 20 cases were generated by a fast running fallout smearing code. The results were fit with a sixth degree Laurent series for each of five particular yields. For each size distribution the Laurent series coefficients for the five yields were then fit with a polynomial function of yield to enable computation of \( g(t) \) data for any arbitrary yield between 1KT and 15MT. Calculation of \( g(t) \) data with these empirical equations may be accomplished on a handheld calculator and produce results which are accurate to within at least 4 percent of the fallout smearing computer code data.

Some Considerations of Cold Fusion Including the Calculation of Fusion Rates in Molecules of Hydrogen Isotopes - 1989 We calculate the fusion reaction rates in molecules of hydrogen isotopes. The rates are calculated analytically (for the first time) as an asymptotic expansion in the ratio of the electron mass to the reduced mass of the nucleii. The fusion rates of the P-D, D-D, and D-T reactions are given for a variable electron mass by a simple analytic formula. However, we do not know any mechanism by which a sufficiently localized electron in solid can have an effective mass' large enough to explain the result of Fleischman and Pons (FP). This calculation indicates that P-D rates should exceed D-D rates for D-D fusion rates less than approximately 10\(^{-23}\) per molecule per second. The D-D fusion rate is enhanced by a factor of 105 at 10,000°K if the excited vibrational states are populated with a Boltzmann distribution and the rotational excitations suppressed. The
suggestion that experimental results could be explained by bombardment of cold deuterons by kilovolt deuterons is shown to be an unlikely from an energetic point of view. 12 refs., 3 figs., 1 tab. Technical Note - National Advisory Committee for Aeronautics-United States. National Advisory Committee for Aeronautics 1951
2017 CFR Annual Print Title 40 Protection of Environment - Part 63 (63.1440 to 63.6175)-Office of The Federal Register 2017-07-01
CMS Workshop Lectures- 1993

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