

## Download File Visions Of Heat Pdf Free Copy

Science of Heat and Thermophysical Studies [The Theory of Heat Radiation](#) Theory of Heat Theory of Heat The Mechanical Theory of Heat Fundamentals of Heat and Mass Transfer The Principles and Practice of Heat Transfer Heat Wave [Fundamentals of Heat and Fluid Flow in High Temperature Fuel Cells](#) [First book of heat, light and optics, and electricity, by J.L. Comstock and R.D. Hoblyn](#) Introduction to the Science of Heat An Outline of the Sciences of Heat and Electricity Principles of Heat Transfer in Porous Media Secrets of Heat and Cold First Book of Heat, Light and Optics, and Electricity, Etc. (Three Chapters Condensed from the Authors' Manual of Natural Philosophy.). Efficiency of heat and work in a regional energy system Theory of Heat Transfer with Forced Convection Film Flows Computer Usage for Evaluation of Design Parameters and Cost of Heat Exchangers Rate of Heat Transfer from Finned Metal Surfaces The Measurement of Heat Flow in the Ground and the Theory of Heat Flux Meters [Free-flight Investigation of Heat Transfer to an Unswept Cylinder Subjected to an Incident Shock and Flow Interference from an Upstream Body at Mach Numbers Up to 5.50](#) [Research and Development of Heat Pipe Technology: Applications of heat pipes](#) Fundamentals of Heat and Mass Transfer Principles of Heat Transfer Handbook of Heat Transfer Heat Wave [The Dynamics of Heat](#) [Previews of Heat and Mass Transfer](#) [Applications of Heat, Mass and Fluid Boundary Layers](#) [Introduction to Theoretical Physics](#) Annual Review of Heat Transfer Numerical Analysis of Heat Flow Fouling of Heat Exchange Surfaces by Skim Milk Fundamentals of Heat Transfer The Effect of Heat Treatments on the Physical and Chemical Properties of Nonfat Dry Milk Solids Heat [Kiss of Heat](#) Handbook of Heat Transfer Applications Fundamentals of Heat and Mass Transfer Heat Transport and Energetics of the Earth and Rocky Planets

Thank you entirely much for downloading Visions Of Heat. Most likely you have knowledge that, people have look numerous time for their favorite books with this Visions Of Heat, but end up in harmful downloads.

Rather than enjoying a good PDF bearing in mind a cup of coffee in the afternoon, otherwise they juggled in the manner of some harmful virus inside their computer. Visions Of Heat is comprehensible in our digital library an online entrance to it is set as public correspondingly you can download it instantly. Our digital library saves in multipart countries, allowing you to get the most less latency epoch to download any of our books later than this one. Merely said, the Visions Of Heat is universally compatible later than any devices to read.

Eventually, you will completely discover a other experience and skill by spending more cash. yet when? attain you receive that you require to acquire those every needs later having significantly cash? Why dont you try to get something basic in the beginning? Thats something that will lead you to comprehend even more in the region of the globe, experience, some places, once history, amusement, and a lot more?

It is your no question own grow old to produce an effect reviewing habit. in the course of guides you could enjoy now is Visions Of Heat below.

Thank you for downloading Visions Of Heat. Maybe you have knowledge that, people have look numerous times for their favorite novels like this Visions Of Heat, but end up in malicious downloads.

Rather than reading a good book with a cup of tea in the afternoon, instead they cope with some harmful virus inside their laptop.

Visions Of Heat is available in our book collection an online access to it is set as public so you can get it instantly.

Our digital library saves in multiple countries, allowing you to get the most less latency time to download any of our books like this one.

Merely said, the Visions Of Heat is universally compatible with any devices to read

When people should go to the book stores, search introduction by shop, shelf by shelf, it is really problematic. This is why we offer the books compilations in this website. It will extremely ease you to see guide Visions Of Heat as you such as.

By searching the title, publisher, or authors of guide you in fact want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be every best place within net connections. If you objective to download and install the Visions Of Heat, it is unconditionally easy then, before currently we extend the connect to buy and create bargains to download and install Visions Of Heat appropriately simple!

Based on courses for students of science, engineering, and systems science at the Zurich University of Applied Sciences at Winterthur, this text approaches the fundamentals of thermodynamics from the point of view of continuum physics. By describing physical processes in terms of the flow and balance of physical quantities, the author achieves a unified approach to hydraulics, electricity, mechanics and thermodynamics. In this way, it becomes clear that entropy is the fundamental property that is transported in thermal processes (i.e., heat), and that temperature is the corresponding potential. The resulting theory of the creation, flow, and balance of entropy provides the foundation of a dynamical theory of heat. This extensively revised and updated second edition includes new material on dynamical chemical processes, thermoelectricity, and explicit dynamical modeling of thermal and chemical processes. To make the book more useful for courses on thermodynamics and physical chemistry at different levels, coverage of topics is divided into introductory and more advanced and formal treatments. Previous knowledge of thermodynamics is not required, but the reader should be familiar with basic electricity, mechanics, and chemistry and should have some knowledge of elementary calculus. The special feature of the first edition -- the integration of thermodynamics, heat

transfer, and chemical processes -- has been maintained and strengthened. Key Features:

- First revised edition of a successful text/reference in fourteen years
- More than 25 percent new material
- Provides a unified approach to thermodynamics and heat transport in fundamental physical and chemical processes
- Includes worked examples, questions, and problem sets for use as a teaching text or to test the reader's understanding
- Includes many system dynamics models of laboratory experiments

This classic sets forth the fundamentals of thermodynamics and kinetic theory simply enough to be understood by beginners, yet with enough subtlety to appeal to more advanced readers, too. Heat-transfer rates have been measured in free flight along the stagnation line of an unswept cylinder mounted transversely on an axial cylinder so that the shock wave from the hemispherical nose of the axial cylinder intersected the bow shock of the unswept transverse cylinder. Data were obtained at Mach numbers from 2.53 to 5.50 and at Reynolds numbers based on the transverse cylinder diameter from  $1.00 \times 10^6$  to  $1.87 \times 10^6$ . Shadowgraph pictures made in a wind tunnel showed that the flow field was influenced by boundary-layer separation on the axial cylinder and by end effects on the transverse cylinder as well as by the intersecting shocks. Under these conditions, the measured heat-transfer rates had inconsistent variations both in magnitude and distribution which precluded separating the effects of these disturbances. The general magnitude of the measured heating rates at Mach numbers up to 3 was from 0.1 to 0.5 of the theoretical laminar heating rates along the stagnation line for an infinite unswept cylinder in undisturbed flow. At Mach numbers above 4 the measured heating rates were from 1.5 to 2 times the theoretical rates. This wholly revised edition of a classic handbook reference, written by some of the most eminent practitioners in the field, is designed to be your all-in-one source book on heat transfer issues and problem-solving. It includes the latest advances in the field, as well as covering subjects from microscale heat transfer to thermophysical properties of new refrigerants. An invaluable guide to this most crucial factor in virtually every industrial and environmental process.

Robert de Niro and Al Pacino have acted opposite each other once, and that was in *Heat*, Michael Mann's operatic 1995 heist thriller. De Niro is Neil McCauley, a skilled professional thief at the centre of a tight-knit criminal team; Pacino is Vincent Hanna, the haunted, driven cop determined to hunt him down. Boasting a series of meticulously orchestrated setpieces that underline Mann's sense of scale and architecture, *Heat* is also a rhapsody to Los Angeles as Hanna closes in on his prey. For Nick James, the pleasures and virtues of *Heat* are mixed and complex. Its precise compositions and minimalist style are entangled with a particular kind of extravagant bombast. And while its vision of male teamwork is richly compelling it comes close to glorifying machismo. But these complexities only add to the interest of this hugely ambitious and accomplished film, which confirmed Mann's place in the front rank of American film-makers.

*Science of Heat and Thermophysical Studies* provides a non-traditional bridging of historical, philosophical, societal and scientific aspects of heat with a comprehensive approach to the field of generalized thermodynamics. It involves Greek philosophical views and their impact on the development of contemporary ideas. Covered topics include:

- the concept of heat
- thermometry and calorimetry
- early concepts of temperature and its gradients
- non-equilibrium and quantum thermodynamics
- chemical kinetics
- entropy, order and information
- thermal science applied to

economy(econophysics), ecosystems, and process dynamics or mesoscopic scales (quantum diffusion) • importance of energy science and its influence to societal life

Written in British English, In *Secrets of Heat and Cold*, you will find out how heat is measured, what happens at absolute zero, and how refrigerators work. *Heat Transport and Energetics of the Earth and Rocky Planets* provides a better understanding of the interior of the Earth by addressing the processes related to the motion of heat in large bodies. By addressing issues such as the effect of self-gravitation on the thermal state of the Earth, the effect of length-scales on heat transport, important observations of Earth, and a comparison to the behavior of other rocky bodies, readers will find clearly delineated discussions on the thermal state and evolution of the Earth. Using a combination of fundamentals, new developments and scientific and mathematical principles, the book summarizes the state-of-the-art. This timely reference is an important resource for geophysicists, planetary scientists, geologists, geochemists, and seismologists to gain a better understanding of the interior, formation and evolution of planetary bodies. Provides an interdisciplinary approach to the understanding of the thermal evolution of large planetary bodies, including contributed chapters from leading experts Includes relevant observations of Earth and large-scale heat transfer, a critical review of existing paradigms of the current thermal state of the Earth, and a discussion of heat flow on the other rocky planets Covers macroscopic phenomena as they pertain to deciphering the thermal structure of planetary bodies Kane lost his heart to Sherra and news of her death ripped his heart apart. But Sherra didn't die. Her sadistic handlers have convinced her she was betrayed by Kane. As the deceit and cruelty of the Council that created the breeds escalates, Kane and Sherra learn that there is more to mating than just the "heat."--Publisher's description. The behavior of heat flux meters has been examined by experimental, electrical analogue and numerical means. The results indicate the more general applicability of the flux meter equation first proposed by Philip (1961) for the special case of spheroidal meters, provided certain precautions are taken. The purely geometric parameter appearing in this equation has been related to meter shape and a functional connection has been suggested. It is proposed that pairs of thermal sensors be used to monitor thermal conductivity continuously and the use of nonuniform 'focusing' heat flux meters is recommended in cases where the physical cross section of a thermopile should remain small compared to the resultant thermal cross section. Finally a number of calibration techniques are reported, including the use of a novel radiation enclosure in which meters are temporarily tested as net radiometers, (Author). Although the empirical treatment of fluid flow and heat transfer in porous media is over a century old, only in the last three decades has the transport in these heterogeneous systems been addressed in detail. So far, single-phase flows in porous media have been treated or at least formulated satisfactorily, while the subject of two-phase flow and the related heat-transfer in porous media is still in its infancy. This book identifies the principles of transport in porous media and compares the available predictions based on theoretical treatments of various transport mechanisms with the existing experimental results. The theoretical treatment is based on the volume-averaging of the momentum and energy equations with the closure conditions necessary for obtaining solutions. While emphasizing a basic understanding of heat transfer in porous media, this book does not ignore the need for predictive tools; whenever a rigorous theoretical treatment of a phenomena is not available, semi-empirical

and empirical treatments are given. About the Book: Salient features: A number of Complex problems along with the solutions are provided Objective type questions for self-evaluation and better understanding of the subject Problems related to the practical aspects of the subject have been worked out Checking the authenticity of dimensional homogeneity in case of all derived equations Validation of numerical solutions by cross checking Plenty of graded exercise problems from simple to complex situations are included Variety of questions have been included for the clear grasping of the basic principles Redrawing of all the figures for more clarity and understanding Radiation shape factor charts and Heisler charts have also been included Essential tables are included The basic topics have been elaborately discussed Presented in a more better and fresher way Contents: An Overview of Heat Transfer Steady State Conduction Conduction with Heat Generation Heat Transfer with Extended Surfaces (FINS) Two Dimensional Steady Heat Conduction Transient Heat Conduction Convection Convective Heat Transfer Practical Correlation Flow Over Surfaces Forced Convection Natural Convection Phase Change Processes Boiling, Condensation, Freezing and Melting Heat Exchangers Thermal Radiation Mass Transfer Fundamentals of Heat and Mass Transfer is written as a text book for senior undergraduates in engineering colleges of Indian universities, in the departments of Mechanical, Automobile, Production, Chemical, Nuclear and Aerospace Engineering. The book should also be useful as a reference book for practising engineers for whom thermal calculations and understanding of heat transfer are necessary, for example, in the areas of Thermal Engineering, Metallurgy, Refrigeration and Airconditioning, Insulation etc. An updated and refined edition of one of the standard works on heat transfer. The Third Edition offers better development of the physical principles underlying heat transfer, improved treatment of numerical methods and heat transfer with phase change as well as consideration of a broader range of technically important problems. The scope of applications has been expanded and there are nearly 300 new problems. Fundamentals of Heat and Fluid Flow in High Temperature Fuel Cells introduces key-concepts relating to heat, fluid and mass transfer as applied to high temperature fuel cells. The book briefly covers different type of fuel cells and discusses solid oxide fuel cells in detail, presenting related mass, momentum, energy and species equation. It then examines real case studies of hydrogen- and methane-fed SOFC, as well as combined heat and power and hybrid energy systems. This comprehensive reference is a useful resource for those working in high temperature fuel cell modeling and development, including energy researchers, engineers and graduate students. Provides broad coverage of key concepts relating to heat transfer and fluid flow in high temperature fuel cells Presents in-depth knowledge of solid oxide fuel cells and their application in different kinds of heat and power systems Examines real-life case studies, covering different types of fuels and combined systems, including CHP The object of this series of investigations is to evaluate the factors which control the rate of heat transfer to a moving current of air from finned metal surfaces similar to those used on aircraft engine cylinders. As a result of this work, it is hoped to establish data which will enable the finning of cooling surfaces to be designed to suit the particular needs of any specific application. Reprint of the original, first published in 1869. Frank Kreith and Mark Bohn's PRINCIPLES OF HEAT TRANSFER is known and respected as a classic in the field! The sixth edition has new homework problems, and the authors have added new Mathcad problems that show

readers how to use computational software to solve heat transfer problems. This new edition features own web site that features real heat transfer problems from industry, as well as actual case studies. Developing a new treatment of ' Free Convection Film Flows and Heat Transfer ' began in Shang ' s first monograph and is continued in this monograph. The current book displays the recent developments of laminar forced convection and forced film condensation. It is aimed at revealing the true features of heat and mass transfer with forced convection film flows to model the deposition of thin layers. The novel mathematical similarity theory model is developed to simulate temperature- and concentration- dependent physical processes. The following topics are covered in this book: 1. Mathematical methods - advanced similarity analysis method to replace the traditional Falkner-Skan type transformation - a novel system of similarity analysis and transformation models to overcome the difficult issues of forced convection and forced film flows - heat and mass transfer equations based on the advanced similarity analysis models and equations formulated with rigorous key numerical solutions 2. Modeling the influence of physical factors - effect of thermal dissipation on forced convection heat transfer - a system of models of temperature and concentration-dependent variable physical properties based on the advanced temperature-parameter model and rigorous analysis model on vapor-gas mixture physical properties for the rigorous and convenient description of the governing differential equations - an available approach to satisfy interfacial matching conditions for rigorous and reliable solutions - a system of numerical results on velocity, temperature and concentration fields, as well as, key solutions on heat and mass transfer - the effect of non-condensable gas on heat and mass transfer for forced film condensation. This way it is realized to conveniently and reliably predict heat and mass transfer for convection and film flows and to resolve a series of current difficult issues of heat and mass transfer with forced convection film flows. Professionals in this fields as well as graduate students will find this a valuable book for their work. One of the largest flows of energy in Swedish municipalities is the fuel-energy flow through the regional combined heat and power (CHP) plant. The customer products from this flow are mainly electricity to the electricity grid and heat to the building sector. There are many ways to describe and examine this fuel-energy flow, and there are many perspectives. This thesis presents one perspective. It is a top-down, analytical and numerical perspective on the efficiency of heat and work in a regional energy system. The analysis focus on the present situation in Link ö ping municipality and aims at describing the energy efficiency improvement potential. Three subsystems are considered, the regional production of electricity, the regional production of heat, and the regional public transport by bus. These three systems are physically all heat engines i.e. engines that derive work and/or heat from fuel combustion processes. It is important to notice that the analysis in this thesis does not describe the theoretical improvement potential, that potential is considerably higher than the implementable potential, but of no practical use. Instead the analysis is as far as possible based on real world measured efficiencies and efficiency values of best practice (Best available technology). The analysis shows that hardware investments at the CHP plant can improve the electricity generation efficiency and thereby reduce CO<sub>2</sub> emissions. The investments are in high pressure turbines, medium pressure turbines and preheaters. The size of the improvement is hard to quantify because it depends partly on unknown factors in the surrounding electricity market. In the studied system CO<sub>2</sub> reduction

could be as high as 40 - 60 %. The regionally produced biogas would be used more efficiently if it were used in the local combined cycle gas turbine instead of being used in internal combustion engines in buses. The buses would instead be electrically driven. This use of biogas would create a better integrated fuel-energy flow and reduce heat losses. Another improvement is to reduce the system temperatures in the district heating system. The study shows that the efficiency gains, because of lower system temperatures, would increase electricity production by about 1 – 3%, and that greenhouse gas emissions would be reduced by 4 – 20%. However, these improvements are dependent on demand side investments in the district heating system and are therefore slow to implement.

Ett av de största energiflödena i svenska kommuner är bärnsle/energi-flödet genom det regionala kraftvärmeverket. De konsumentprodukter som detta energiflöde producerar är främst uppvärmning av bostäder och elkraft. Det finns många sätt att beskriva och utvärdera detta bärnsle/energi-flöde och det finns många olika perspektiv. Det här arbetet analyserar energiflödet med en analytisk ”top-down” metod. Analysen utgår ifrån den nuvarande situationen i Linköpings kommun och avser att belysa den förbättringspotential som finns med avseende på systemets verkningsgrad. Tre delsystem har studerats, det regionala systemet för värmeproduktion, det regionala systemet för elproduktion och det regionala kollektivtrafiksystemet för innerstadstrafik med buss. Dessa tre system är fysikaliskt värmemotorer d.v.s. de är system som nyttjar termisk energi från förbränningsprocesser för att utföra ett arbete och/eller generera värme. Det är viktigt att notera att analyserna i detta arbete inte avser att beskriva en teoretisk förbättringspotential. Analyserna avser istället att belysa den praktiska, implementerbara, förbättringspotentialen. Därför har arbetet så långt som möjligt utgått ifrån uppmätta data och numeriska värden på verkningsgrader ifrån redan existerande anläggningar eller tekniska komponenter. Analyserna visar att hårdvaruinvesteringar i det lokala kraftvärmeverket skulle öka elproduktionen och därigenom sänka koldioxidutsläppen. De investeringar som skulle behövas är investeringar i högttrycksturbiner, mellantrycksturbiner och förvärmare. De sänkta koldioxidutsläppen är svåra att kvantifiera eftersom de delvis beror på olika faktorer på den omgivande elmarknaden. Reduktionen av koldioxidutsläppen skulle kunna vara så stor som 40 - 60 %. Den lokalt producerade biogasen skulle användas mer effektivt om den användes i den lokala gaskombi-anläggningen istället för att användas som bussbärnsle som är det nuvarande användningsområdet för detta bärnsle. Bussarna skulle istället kunna ersättas med elbussar. En sådan förändring av biogas-användningen skulle innebära ett bättre integrerat energisystem med lågre värmeflödesströmmar. En annan möjlig förbättring av kraftvärmesystemet är att sänka returtemperaturerna i fjärrvärmesystemet. Analyserna visar att elverkningsgraden skulle förbättras 1 – 3 % och att koldioxidutsläppen skulle kunna minska med 4 – 20 %. Dessa förbättringar skulle dock kräva investeringar på kraftvärmesystemets kundsida och bedöms därför vara långsamma att implementera.

The “compelling” story behind the 1995 Chicago weather disaster that killed hundreds—and what it revealed about our broken society (Boston Globe). On July 13, 1995, Chicagoans awoke to a blistering day in which the temperature would reach 106 degrees. The heat index—how the temperature actually feels on the body—would hit 126. When the heat wave broke a week later, city streets had buckled; records for electrical use were

shattered; and power grids had failed, leaving residents without electricity for up to two days. By July 20, over seven hundred people had perished—twenty times the number of those struck down by Hurricane Andrew in 1992. Heat waves kill more Americans than all other natural disasters combined. Until now, no one could explain either the overwhelming number or the heartbreaking manner of the deaths resulting from the 1995 Chicago heat wave. Meteorologists and medical scientists have been unable to account for the scale of the trauma, and political officials have puzzled over the sources of the city's vulnerability. In *Heat Wave*, Eric Klinenberg takes us inside the anatomy of the metropolis to conduct what he calls a "social autopsy," examining the social, political, and institutional organs of the city that made this urban disaster so much worse than it ought to have been. He investigates why some neighborhoods experienced greater mortality than others, how city government responded, and how journalists, scientists, and public officials reported and explained these events. Through years of fieldwork, interviews, and research, he uncovers the surprising and unsettling forms of social breakdown that contributed to this human catastrophe as hundreds died alone behind locked doors and sealed windows, out of contact with friends, family, community groups, and public agencies. As this incisive and gripping account demonstrates, the widening cracks in the social foundations of American cities made visible by the 1995 heat wave remain in play in America's cities today—and we ignore them at our peril. Includes photos and a new preface on meeting the challenges of climate change in urban centers

"Heat Wave is not so much a book about weather, as it is about the calamitous consequences of forgetting our fellow citizens. . . . A provocative, fascinating book, one that applies to much more than weather disasters." —Chicago Sun-Times

"It's hard to put down Heat Wave without believing you've just read a tale of slow murder by public policy." —Salon

"A classic. I can't recommend it enough." —Chris Hayes

A New York real estate tycoon plunges to his death on a Manhattan sidewalk. A trophy wife with a past survives a narrow escape from a brazen attack. Mobsters and moguls with no shortage of reasons to kill trot out their alibis. And then, in the suffocating grip of a record heat wave, comes another shocking murder and a sharp turn in a tense journey into the dirty little secrets of the wealthy. Secrets that prove to be fatal. Secrets that lay hidden in the dark until one NYPD detective shines a light. Mystery sensation Richard Castle, blockbuster author of the wildly best-selling *Derrick Storm* novels, introduces his newest character, NYPD Homicide Detective Nikki Heat. Tough, sexy, professional, Nikki Heat carries a passion for justice as she leads one of New York City's top homicide squads. She's hit with an unexpected challenge when the commissioner assigns superstar magazine journalist Jameson Rook to ride along with her to research an article on New York's Finest. Pulitzer Prize-winning Rook is as much a handful as he is handsome. His wise-cracking and meddling aren't her only problems. As she works to unravel the secrets of the murdered real estate tycoon, she must also confront the spark between them. The one called heat.

Applications of Heat, Mass and Fluid Boundary Layers brings together the latest research on boundary layers where there has been remarkable advancements in recent years. This book highlights relevant concepts and solutions to energy issues and environmental sustainability by combining fundamental theory on boundary layers with real-world industrial applications from, among others, the thermal, nuclear and chemical industries. The book's editors and their team of expert contributors discuss many core themes,



including advanced heat transfer fluids and boundary layer analysis, physics of fluid motion and viscous flow, thermodynamics and transport phenomena, alongside key methods of analysis such as the Merk-Chao-Fagbenle method. This book's multidisciplinary coverage will give engineers, scientists, researchers and graduate students in the areas of heat, mass, fluid flow and transfer a thorough understanding of the technicalities, methods and applications of boundary layers, with a unified approach to energy, climate change and a sustainable future. Presents up-to-date research on boundary layers with very practical applications across a diverse mix of industries Includes mathematical analysis to provide detailed explanation and clarity Provides solutions to global energy issues and environmental sustainability The A I M of this book is to exhibit the scientific connexion of the various steps by which our knowledge of the phenomena of heat has been extended. T h e first of these steps is the invention of the thermometer, by which the registration and comparison of temperatures is rendered possible. The imminent need to mitigate the global warming potential (GWP) and the impact of the ozone depletion potential (ODP) demand seeking more efficient uses of energy, new energy sources, and new technologies. Heat transfer plays a vital role in efficient power production with minimum investment, installation, and maintenance costs. This book deals with issues related to efficiently utilizing available energy by integrating the technology of heat exchangers into power production units. Further, it provides detailed descriptions of heat transfer applications commonly used in modern everyday life and industrial contexts, supported by practical and worked-out examples presented to facilitate learning. This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its true nature.

[ncarb.swapps.dev](http://ncarb.swapps.dev)