

Ciencia Y Teoria Economica Luis Pazos

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in the spring of 1976 i had the privilege of serving on a stanford research institute team engaged in examining various facets of the mexican economy that study provided the opportunity to visit many government ministries and talk with some of mexico s leading economists these professional experiences stimulated me to undertake full scale research on the growth potential of the mexican economy a subject in which i had long been interested and on which i had written from time to time beginning with my book income distribution policies and economic growth in semi industrialized countries a comparative study of iran mexico brazil and south korea 1 the present volume might be regarded as the culmination of this endeavor the methodological approach here is partly descriptive and partly empirical illustrative formal models are built on both qualitative and theoretical foundations to sharpen the issue and put the mexican economy in perspective international comparisons are made through out

castro s cuba is isolated the guerrillas who once spread havoc through uruguay and argentina are dead dispersed or running for office as moderates and in 1990 nicaragua s sandinistas were rejected at the polls by their own constituents are these symptoms of the fall of the latin american left or are they merely temporary lulls in an ongoing revolution that may yet transform our hemisphere this perceptive and richly eventful study by one of mexico s most distinguished political scientists tells the story behind the failed movements of the past thirty years while suggesting that the left has a continuing relevance in a continent that suffers from destitution and social inequality combining insider s accounts of intrigue and armed struggle with a clear sighted analysis of the mechanisms of day to day power utopia unarmed is an indispensable work of scholarship reportage and political prognosis

this book examines a sophisticated effort by radical economic reformers to change the ideology of nationalism in mexico from 1988 94 and so reinvent the country in a way that was more friendly to their market policies and responses to this by opposition parties

this study reveals how the social pact formalized during the armed stage of the mexican revolution 1910 20 and implemented during the second stage 1920 40 was upset during the third or arrested stage 1940 70 when the bureaucrat professionals at the helm opted for intensive economic development by taking the capitalist road although momentarily revived during yet a fourth stage of revolution 1970 82 this social pact was subsequently betrayed from within by the official party of the revolution and undermined from without by the operation of economic forces behind the scenes in this first book on the complete history of the mexican revolution hodge and gandy reveal that along with the end of its social pact mexico passed out of its former nationalist and capitalist orbit to enter the new professional societies and global order fathered by the transnationals from 1920 to 1970 mexico s bureaucrat professionals hung onto political power while native capitalists continued to flourish in response mexico s workers and peasants staged strikes against the nationalized sector and fomented guerrilla wars concessions were then made to this group until beginning in 1982 the social pact was again eroded at the expense not only of the popular sectors but also of the capitalists the economic surplus was redistributed away from owners and into the pockets of professionals that was the revolution s last gasp before it was officially put to rest in 2000 with the official party s defeat at the polls hodge and gandy challenge the current belief that mexico s economic system is still capitalist by presenting statistical evidence that shows how the chief beneficiaries of the economy are no longer the providers of capital but instead the providers of professional services

the political and social upheavals that have transformed the economies of eastern europe and the former soviet union during the past ten years have sparked considerable interest and speculation on the part of western observers less noted though hardly less dramatic has been the revolutionary spread of free market capitalism throughout much of latin america during the same period in a wide ranging survey that illuminates both the history and present business climate of the region paul roberts and karen araujo describe the economic transformation currently taking place in latin

america and as they do so they also reexamine many of the prevailing orthodoxies concerning international development and the regulation of markets and point to the success of privatization and free enterprise in mexico argentina and chile as harbingers of the economic future for both hemispheres the potential strength of the economies of central and south america has always been obvious the authors point out abundant natural resources combined with vast expanses of fertile land and a sophisticated and relatively cohesive social culture are found throughout the region but the authors show that the latin american nations were slow to discard the economic and social climate that they had inherited from their spanish colonial masters who had ruled by selling government jobs creating a network of privilege and by suppressing through over regulation the development of markets for goods services and capital the prevalent cultural attitude in latin america was hostile to commerce trade and work indeed it was more socially acceptable to court government privilege than to compete in markets the authors further show that u s aid packages to the region actually reinforced this culture of privilege and further hampered the growth of a free economy not until the 1980s did the picture begin to change largely in response to the economic crises brought on through catastrophic national debts and hyperinflation the book describes the efforts of the salinas pinochet and menem governments to combat the established interests of the local elites and the international development agencies to privatized state industries and to established independent markets in this new climate private capitalists and entrepreneurs are feted and celebrated and productivity has risen to levels unimagined only a few years before but this dramatic economic turnaround the authors show is a mixed blessing for the u s for if it provides us with a vast new market for our goods it has also created a powerful new competitor for capital investment to keep american and foreign capitalists investing in america the government needs to make changes which the authors outline in a provocative conclusion central and south america have a combined population of 460 million people a potential market greater than the united states and canada combined or the european community thus the rise of free market capitalism in latin america is of vital interest to the united states the capitalist revolution in latin america provides an insightful portrait of this dramatic economic turn around illuminating the economic consequences for our own society

how do governments make key decisions on vital economic questions of national importance can they advance the national interest on issues that are highly politicized how do they respond to competing pressures from the international and domestic environments forming economic policy explores these and other questions in canada and mexico two very different countries which share a common vulnerability to the world economy using the case of energy the book argues that policymakers will address the national interest but only episodically with the onset of major national crises that invoke a higher and sustained sense of national priorities these crises are frequently induced by the interaction of domestic and foreign political and economic forces the conclusions are surprising despite profound political and economic differences between these two countries policymakers have behaved in remarkably similar ways when arriving at key policy decisions the explanation which integrates two competing views of politics the pluralist and the statist has important implications with regard to the political processes in those states which like canada and mexico are exposed to the world economy and face problems of political legitimacy at home forming economic policy will appeal to students and teachers of political economy and comparative politics as well as to those interested in the politics of energy policy

the history of mexico from pre conquest to present traces the last 500 years of mexican history from the indigenous empires that were devastated by the spanish conquest through the election of 2006 and its aftermath the book offers a straightforward chronological survey of mexican history from the pre colonial times to the present and includes a glossary as well as numerous tables and images for comprehensive study for additional information and classroom resources please visit the history of mexico companion website at routledge.com/textbooks/russell

includes entries for maps and atlases

the initiative of presidents george bush and bill clinton to forge a western hemisphere community has been staggered by mexico s economic and political crisis is this latest grand design for the hemisphere destined to follow john kennedy s alliance for progress and franklin roosevelt s good neighbor policy into the cemetery of frustrated pan american dreams the united states and canada are prosperous first world countries with centuries old democratic institutions latin america s countries are poor and in most cases experimenting with democratic capitalism for the first time can a coherent durable community like the european union be constructed with building blocks so different why are the united states and canada so much more prosperous so much more democratic than is latin america why has it taken so long for latin america to conclude that democratic capitalism and good relations with the united states are in its best interest and what might be done to enhance the prospects for a dynamic community in the western hemisphere these are the questions lawrence harrison addresses in the pan american dream central to the contrasts between latin america and the united states and canada are the fundamental differences between the ibero catholic and anglo protestant cultures reflected in contrasting views of work education merit community ethics and authority among others but as he stresses cultural values and attitudes change and pan americanism can be more than a dream a pan american community depends on shared values and institutions as the community now embracing the united states and canada demonstrates experiments with democracy and the free market in latin america will help strengthen the values that lie behind the success of the united states and canada western europe and east asia but if latin america s political and intellectual leaders do not confront the traditional values and attitudes largely responsible for the region s underdevelopment with sweeping reforms in education and child rearing practices for example realization of the pan american dream will be painfully slow and uncertain

this volume argues that the mexican crisis of august 1982 in which the country was left facing the prospect of national default and zero economic growth was not only the result of some fundamental flaws in the country s economy but is more accurately characterized as a cash flow problem in the author s words a case of illiquidity rather than insolvency based on a thorough analysis of the mexican economy the book assesses the effectiveness of the various economic programs of the de la madrid presidency in dealing with the nation s problems

the changing political and economic relationships between mexico and the united states and the concurrent u s debate over immigration policy and practice demand new data on migration and its economic effects in this innovative study richard c jones analyzes migration patterns from two subregions of north central mexico coahuila and zacatecas to the united states he analyzes and contrasts the characteristics of the two migrant populations and interprets the economic impacts of migration upon both home of migration upon both home areas jones s findings refute some common assumptions about mexican migration while providing a strong model for further research jones s study focuses on the ways in which u s migration affects the lives of families in these two subregions migrants from zacatecas have traditionally come from rural areas and have gone to california and illinois migrants from coahuila on the other hand usually come from urban areas and have almost exclusively preferred locations in nearby texas the different motivations of both groups for migrating and the different economic and social effects upon their home areas realized by migrating form the core of this book the comparison also lends the book its uniqueness since no other study has made such an in depth comparison of two areas jones addresses the basic dichotomy of structuralists who maintain that dependency and disinvestment are the rule for families and communities in sending areas and functionalists who believe that autonomy and reinvestment are the case of migrants and their families in home regions jones finds that much of the primary literature is based on uneven and largely outdated data that leans heavily on two sending states jalisco and michoacan his fresh analysis shows that communities and regions of

mexico rather than families only account for differing migration patterns and differing social and economic results of these patterns jones s study will be of value not only to scholars and practitioners working in the field of mexican migration but also for its innovative methodology to anthropologists sociologists political scientists and historians whose interests include human migration patterns in any part of the world

the congressional record is the official record of the proceedings and debates of the united states congress it is published daily when congress is in session the congressional record began publication in 1873 debates for sessions prior to 1873 are recorded in the debates and proceedings in the congress of the united states 1789 1824 the register of debates in congress 1824 1837 and the congressional globe 1833 1873

the right in the americas discusses the origins development and current state of conservative and right wing movements in ten countries in the americas the growth of the right is one of the most important issues of the moment in global politics within the context of democracy erosion rejection of traditional politics and economic uncertainty right and extreme right actors are capable of offering misguided answers and hope to a significant part of a country s population who will trust their promises and bring them to power with their vote this dynamic has repeated itself in an astonishingly consistent pattern across the americas this book analyses eight latin american countries argentina brazil chile colombia honduras mexico uruguay and venezuela along with canada and the united states two g7 countries it demonstrates that conservatism is in fact a hemispheric phenomenon promoted and invigorated by the regional hegemon the united states of america both as government and as civil society beyond this regional scope the peculiarities of each case study are explored in detail providing solid historical background while at the same time uncovering their commonalities and cross pollination this study will be of great interest to scholars of conservatism right wing politics comparative politics and north american and latin american politics

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creador de los agachados mis supermachos y más de un centenar de libros publicados rius el gran monero mexicano ocupó un lugar clave en la historia de la cultura popular economía al alcance de todos fusiona dos libros anteriores de rius sobre el tema economía para ignorantes y su diccionario de términos económicos lexikón ekonomikón al integrarlos para esta edición el autor ha aumentado y puesto al día su información así sus lectores tienen la oportunidad de obtener conocimientos básicos sobre esta materia fundamental a través de las explicaciones sencillas divertidas y siempre didácticas del maestro sobre la importancia de este libro doble rius explica si no hacemos un esfuerzo por comprender la economía y formarnos nuestras propias opiniones sobre la actual política económica con conocimiento de causa entonces dejamos que el gobierno decida por nosotros y nos sigan dando en toda la torre

analyzing the effects of mexico s newly flourishing petroleum industry dr millor first traces the evolution of mexico s oil development and provides a detailed assessment of its socioeconomic political and ecological consequences and of the mexican government s current energy policies in his subsequent examination of u s mexican relations he emphasizes that aside from the issues directly related to mexico s petroleum a complex assortment of concerns remain unresolved between the two nations illegal immigration drug traffic terms of technical and scientific cooperation restrictions on mexican exports in the u s market and the more assertive foreign policy stance recently taken by mexico dr millor argues that far from representing a clear case of positive growth for mexico petroleum could bring about distorted development and increased dependency as well as a difficult period of relations with the u s if a stable association between the two governments is to emerge he concludes u s policymakers must understand the changes taking place in mexico and accept its emergence as a middle power with autonomous goals representing both the mexican and the u s point of view this study contributes much to a better understanding of the significance of oil

for mexican development and to a balanced assessment of present and future u s mexican relations

this book explains how latin american countries consolidate economic governance after serious disruptions to their formal and informal policy making routines it asserts that the process of institutional change that started as a result of such disruptions resulted in complementary institutions which supported a new consolidated pattern of economic governance in addition this work also offers a robust theoretical underpinning to economic governance independent from performance performance figures prominently as a criterion to assess economic governance however crises are becoming more frequent and performance does not entirely depend on governments actions this book argues that governance in the economic arena depends on the ability and feasibility of limiting the discretion of vested interests over economic policies insofar as these interests can shift the costs of their actions so the rest of the society bears them

a study of the relationship between the presidential power in mexico and of key societal groups this text examines how this has developed since the 1960s other titles in this series include gender culture and empire black writers from south africa and kabuki in modern japan

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Understanding the Heat Capacity of Heptane: A Comprehensive Guide

Heptane, a colorless, flammable liquid alkane, finds widespread application in various industries, from fuel additives to solvents in the chemical industry. Understanding its heat capacity is crucial for numerous applications, from designing efficient chemical reactors to predicting the energy requirements of industrial processes. This article delves into the complexities of heptane's heat capacity, exploring its variations with temperature and pressure, its practical implications, and its significance in various fields. While seemingly a niche topic, mastering the heat capacity of heptane unlocks a deeper understanding of its thermodynamic behavior and allows for more precise control and optimization in its applications.

1. Defining Heat Capacity and its Relevance to Heptane

Heat capacity (C_p) represents the amount of heat required to raise the temperature of a substance by one degree Celsius (or one Kelvin) at constant pressure. It's a crucial thermodynamic property because it dictates how much energy is needed to change a substance's temperature. For heptane, understanding its heat capacity is critical for several reasons:

- Process Engineering:** In refining processes and chemical manufacturing, accurate prediction of heptane's temperature change under varying heat input is vital for efficient reactor design, heat exchanger sizing, and overall energy management. An inaccurate estimate can lead to inefficient operations or even hazardous situations.
- Fuel Efficiency:** Heptane is a component in certain fuels. Knowing its heat capacity helps engineers optimize fuel combustion processes, improving engine performance and reducing emissions.
- Solvent Applications:** As a solvent, heptane's heat capacity influences its behavior in various chemical reactions and processes. Precise temperature control is often necessary, demanding a detailed understanding of its heat capacity.
- Safety Considerations:** In handling and transporting heptane, understanding its heat capacity aids in mitigating risks associated with rapid temperature changes, preventing potential hazards like uncontrolled vaporization or thermal runaway.

2. Factors Affecting Heptane's Heat Capacity

Heptane's heat capacity isn't a fixed value; it varies depending on several factors:

- Temperature:** The heat capacity of heptane increases with temperature. This is because, at higher temperatures, molecules possess more kinetic energy, requiring more heat to achieve a given temperature increase. Empirical equations or tabulated data are often used to describe this temperature dependence.
- Pressure:** The effect of pressure on heptane's heat capacity is generally less significant compared to temperature, especially at moderate pressures. However, at very high pressures, intermolecular forces become more prominent, leading to a subtle increase in heat capacity.
- Phase:** The heat capacity of liquid heptane differs considerably from that of gaseous heptane. The heat capacity of the gaseous phase is generally higher due to the greater freedom of molecular movement. Phase transitions (like boiling) involve significant heat absorption without a corresponding temperature change (latent heat).

3. Determining Heptane's Heat Capacity: Methods and Data Sources

Several methods exist for determining the heat capacity of heptane: **Calorimetry:** This is a direct method involving measuring the heat absorbed by a known mass of heptane when its temperature is raised. Differential scanning calorimetry (DSC) is a common technique for this purpose. **Empirical Correlations:** Various empirical equations have been developed based on experimental data, allowing for the prediction of heat capacity as a function of temperature and pressure. These equations offer convenient ways to estimate heat capacity without the need for direct measurements. These are often available in thermodynamic databases or scientific literature. **Molecular Simulation:** Computational methods, such as molecular dynamics simulations, can be used to predict the heat capacity of heptane based on its molecular structure and interactions. This method is particularly useful for exploring conditions where experimental data may be scarce. **Reliable data sources for heptane's heat capacity include:** **NIST Chemistry WebBook:** The National Institute of Standards and Technology (NIST) provides a comprehensive database of thermodynamic properties, including heptane's heat capacity. **DIPPR Database:** The Design Institute for Physical Properties (DIPPR) maintains a widely used database containing experimentally determined and estimated thermophysical properties of numerous chemicals, including heptane. **Scientific Literature:** Numerous research articles and textbooks provide experimental heat capacity data and correlations for heptane under various conditions.

4. Practical Implications and Real-World Examples

Understanding heptane's heat capacity is crucial in various industrial applications: **Petroleum Refining:** In distillation columns, accurate heat capacity data ensures efficient separation of heptane from other components in crude oil. Miscalculations can lead to lower yields and increased energy consumption. **Chemical Synthesis:** Many chemical reactions involving heptane require precise temperature control. Knowing its heat capacity allows for accurate prediction of energy requirements and avoidance of unwanted side reactions due to temperature fluctuations. **Solvent Extraction:** In solvent extraction processes, the heat capacity of heptane influences the efficiency of solute extraction and the energy consumption of the process. **Internal Combustion Engines:** In some fuel blends, heptane's contribution to the overall heat capacity affects the combustion efficiency and emissions of the engine.

5. Conclusion

The heat capacity of heptane is a fundamental thermodynamic property with significant implications across various industrial and scientific applications. Accurate determination and prediction of this property are critical for efficient process design, energy optimization, and safety management. While temperature has the most significant influence on heptane's heat capacity, pressure and phase also play a role. Reliable data sources and appropriate methods for determining heat capacity are crucial for ensuring accurate calculations and predictions in practical scenarios.

Frequently Asked Questions (FAQs)

1. What are the units for heat capacity? Heat capacity is typically expressed in J/(mol·K) or J/(g·K),

representing the energy (Joules) required to raise the temperature of one mole or one gram of heptane by one Kelvin. 2. How does the heat capacity of heptane compare to other alkanes? The heat capacity of heptane is generally similar to other alkanes of comparable molecular weight, increasing with increasing molecular size and chain length. 3. Can I use a simplified equation to estimate heptane's heat capacity? While simplified equations exist, they often have limited accuracy, especially outside a narrow temperature range. More accurate results are obtained using empirical correlations or tabulated data found in reputable databases. 4. What is the impact of impurities on heptane's heat capacity? Impurities can alter heptane's heat capacity, albeit usually to a minor degree unless present in significant concentrations. The extent of the change depends on the nature and amount of the impurities. 5. Where can I find experimentally verified heat capacity data for heptane? Reputable sources such as the NIST Chemistry WebBook and the DIPPR database offer experimentally determined and critically evaluated heat capacity data for heptane under various conditions. Peer-reviewed scientific literature also provides valuable information.

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