Universidade Federal Do Rio Grande Do Sul Instituto De

This work focuses on the experience of a Brazilian cassava starch agro-industry in developing its technological capabilities since 1917, when it was first established. Its main purpose is to explore how the process of technological progress which occurred along with that industrialization, especially regarding the starch industry, has been determined by the following variables: I) the pattern of capital accumulation, II) the capability of the related technical base to both the promotion or absorption of technological changes, and III) firms' strategies towards innovation.

First multi-year cumulation covers six years: 1965-70.

The World Guide to Special Libraries lists about 35,000 libraries world wide categorized by more than 800 key words - including libraries of departments, institutes, hospitals, schools, companies, administrative bodies, foundations, associations and religious communities. It provides complete details of the libraries and their holdings, and alphabetical indexes of subjects and institutions.

This book contains the proceedings of the 10e of a series of international symposia on process systems engineering (PSE) initiated in 1982. The special focus of PSE09 is how PSE methods can support sustainable resource systems and emerging technologies in the areas of green engineering. * Contains fully searchable CD of all printed contributions * Focus on sustainable green engineering * 9 Plenary papers, 21 Keynote lectures by leading experts in the field

Site oficial da Furg contendo informações sobre o curso de Oceanografia e demais cursos oferecidos a nível de graduação e pós-graduação, em diversas áreas do conhecimento.

This book constitutes the refereed proceedings of the 7th Brazilian Symposium on Bioinformatics, BSB 2012, held in Campo Grande, Brazil, in August 2012. The 16 regular papers presented were carefully reviewed and selected for inclusion in this book. It also contains a joint paper from two of the guest speakers. The Brazilian Symposium on Bioinformatics covers all aspects of bioinformatics and computational biology, including sequence analysis; motifs, and pattern matching; biological databases, data management, data integration, and data mining; biomedical text mining; structural, comparative, and functional genomics; personal genomics; protein structure, modeling, and simulation; gene identification, regulation and expression analysis; gene and protein interaction and networks; molecular docking; molecular evolution and phylogenetics; computational systems biology; computational proteomics; statistical analysis of molecular sequences; algorithms for problems in computational biology; applications in molecular biology, biochemistry, genetics, medicine, microbiology and associated subjects.

This book presents scientific research on the central theme of new states of matter and new phenomena in the universe. The topics covered range from the big bang, through topics including the formation of exotic stars, black holes and the plasma of quarks and gluons by heavy ion reactions, to the influence of dark matter and dark energy in the evolution of the universe. Scientific interest in these themes has been growing: together with the development of major projects such as AUGER, LHC, FERMI Telescope, FAIR/GSI and GEO/LIGO, the diversity and scope of research on such themes has been on the rise. The content is detailed enough to capture the interest of experts in the field and is useful for future explorations on these fascinating themes. Contents:Supercritical Fields, Extreme Neutron-Rich Isotopes, and Short Living Giant Atoms (W Greiner)Quark-Gluon Plasma in Neutron Stars (R B Jacobsen et

al.)An Investigation of the Coupling Constants in Quantum Hadrodynamics Effective Models (L N Burigo et al.)Neutron Stars in an Effective Model with Adjustable Coefficients (A Mesquita et al.)Color Superconductivity with 2 and 3 Flavors in the Chromodielectric Model (M Vidalis & M Malheiro)Analogue of Superradiance Effect in Acoustic Black Hole in the Presence of Disclination (F A Gomes & G A Marques)On the Quintessence Scalar Field Potential (J A E Carrillo et al.)Dark Energy Equation of State and Cosmic Topology (S D P Vitenti et al.)Some Topological Effects in Safko–Witten Spacetime (V B Bezerra)and other papers Readership: Students and professionals interested in astronomy and astrophysics. Keywords:General Relativity;Gravitation;Cosmology;Compact Stars;Cosmic Matter in the Laboratory;IwaraKey Features:This book features prominent scientists as contributors, including Walter Greiner, Horst Stoeker, Fridolin Weber and Marcelo GleiserIt provides a comprehensive overview on the important theme of compact stars and related topicsIt provides an overview of the research front on new phenomena and new states of matter in the universe

Design happens everywhere, whether in animate objects (e.g., dendritic lung structures, bacterial colonies, and corals), inanimate patterns (river basins, beach slope, and dendritic crystals), social dynamics (pedestrian traffic flows), or engineered systems (heat dissipation in electronic circuitry). This “design in nature” often takes on remarkably similar patterns, which can be explained under one unifying Constructal Law. This book explores the unifying power of the Constructal Law and its applications in all domains of design generation and evolution, ranging from biology and geophysics to globalization, energy, sustainability, and security. The Constructal Law accounts for the universal tendency of flow systems to morph into evolving configurations that provide greater and easier access over time. The Constructal Law resolves the many and contradictory ad hoc statements of “optimality”, end design, and destiny in nature, such as minimum and maximum entropy production and minimum and maximum flow resistance, and also explains the designs that are observed and copied in biomimetics. Constructal Law and the Unifying Principle of Design covers the fundamentals of Constructal Theory and Design, as well as presenting a variety of state-of-the-art applications. Experts from the biological, physical and social sciences demonstrate the unification of all design phenomena in nature, and apply this knowledge to novel designs in modern engineering, such as vascularization for self-healing and self-cooling materials for aircraft, and tree fins and cavities for heat transfer enhancement.

Organizadores: Daniel de Mello Ferraz, Ana Paula Martinez Duboc ? We don’t know what the future holds among so much polarization, hybrid wars, movements to disassemble public education, but the role of a teacher educator who is engaged and aware of its representation in the society cannot be denied and vanished. On the contrary, a teacher educator in the complexity of his/her role will inevitably be reference of resistance: creating discursive and theoretical opportunities, legitimizing knowledge other than those which comes top down. Certainly, this book will trigger other similar projects and contribute meaningfully to critical teacher education (Fabrício Ono). ? ISBN: 978-65-5939-053-3 (brochura) 978-65-5939-054-0 (eBook) ? DOI: 10.31560/pimentacultural/2020.540

The 10th International Symposium on Process Systems Engineering, PSE'09, will be held in Salvador-Bahia, Brazil on August 16-20, 2009. The special focus of PSE 2009 is Sustainability, Energy and Engineering. PSE 2009 is the tenth in the triennial series of international symposia on process systems engineering initiated in 1982. The meeting is brings together the worldwide PSE community of researchers and practitioners who are involved in the creation and application of computing-based methodologies for planning, design, operation, control and maintenance of chemical and petrochemical process industries. PSE'09 will look at how the PSE methods and tools can support sustainable resource systems and emerging technologies in the areas of green engineering: environmentally conscious design of industrial processes. PSE methods and tools support: - sustainable resource systems - emerging technologies in

the areas of green engineering - environmentally conscious design of industrial processes
This book presents the Brazilian natural space and environment. It describes the main environmental aspects of Brazil in relation to geology, climate, geomorphology, vegetation, fauna, water resources and environmental issues. The book presents a beautifully illustrated overview of the physical geography of the Amazon Forest, the central Brazilian savannah (Cerrado), the Cocais Forest, the semi-arid area (Caatinga), the Atlantic Forest area, the Pantanal (Brazilian wetlands), the Auraucárias Plateau, the Pampas area (South grasslands) and the Brazilian Coastal Environment (beaches and mangroves).
Artistas professores da Universidade Federal do Rio Grande do Sulobras do Acervo da Pinacoteca Barào de Santo Ângelo do Instituto de ArtesFundação Universidade Federal do Rio Grande
This book constitutes the refereed proceedings of the 21st Brazilian Symposium on Artificial Intelligence, SBIA 2012, held in Curitiba, Brazil, in October 2012. The 23 revised full papers presented were carefully reviewed and selected from 81 submissions. The papers cover the following topics: knowledge representation, machine learning, machine learning and computer vision, agent-based and multi-agent systems, robotics and language, as well as constraints.