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In ancient Greece, young Pythagoras discovers a special number pattern (the Pythagorean theorem) and uses it to solve problems involving right triangles. This book investigates formal characteristics and discourse functions of linguistic creativity at the level of idioms in spoken ELF as represented in the Vienna-Oxford International Corpus of English (VOICE). Building on the findings of previous ELF research, the book proposes that creativity might serve as a fundamental concept in accounting for the variation that seems to be central to describing and understanding English as a lingua franca.

The World Book EncyclopediaWorld Book

Provides over 80,000 words and phrases, grammar and pronunciation information, and example sentences.

"A 22-volume, highly illustrated, A-Z general encyclopedia for all ages, featuring sections on how to use World Book, other research aids, pronunciation key, a student guide to better writing, speaking, and research skills, and comprehensive index"--

This book presents the peer-reviewed proceedings of the 5th International Conference on Intelligent Computing and Applications (ICICA 2019), held in Ghaziabad, India, on December 6-8, 2019. The contributions reflect the latest research on advanced computational methodologies such as neural networks, fuzzy systems, evolutionary algorithms, hybrid intelligent systems, uncertain reasoning techniques, and other machine learning methods and their applications to decision-making and problem-solving in mobile and wireless communication networks.

"The main message emerging from this new comprehensive global assessment is that premature death and disease can be prevented through healthier environments--and to a significant degree. Analysing the latest data on the environment-disease nexus and the devastating impact of environmental hazards and risks on global health, backed up by expert opinion, this report covers more than 130 diseases and injuries. The analysis shows that 23% of global deaths (and 26% of deaths among children under five) are due to modifiable environmental factors--and therefore can be prevented. Stroke, ischaemic heart disease, diarrhoea and cancers head the list. People in low-income countries bear the greatest disease burden, with the exception of noncommunicable diseases. The report's unequivocal evidence should add impetus to coordinating global efforts to promote healthy environments--often through well-established, cost-effective interventions. This analysis will inform those who want to better understand the transformational spirit of the Sustainable Development Goals agreed by Heads of State in September 2015. The results of the analysis underscore the pressing importance of stronger intersectoral action to create healthier environments that will contribute to sustainably improving the lives of millions around the world."--Page 4 of cover.

This book constitutes the thoroughly refereed proceedings of the 8th International Workshop on Computational Processing of the Portuguese Language, PROPOR 2012, held in Coimbra, Portugal in April 2012. The 24 revised full papers and 23 revised short papers presented were carefully reviewed and selected from 86 submissions. These papers cover the areas related to phonology, morphology and POS-Tagging, acquisition, language resources, linguistic description, syntax and parsing, semantics, opinion analysis, natural language processing

applications, speech production and phonetics, speech resources, speech processing and applications.

Continuing the tradition of International Dyke Conference, this book is largely based on contributions from the IDC7 but also includes some chapters by invitation. It focuses on mafic dyke swarms and related associations: e.g. links with sills, kimberlites, syenites, carbonatites, and volcanics, discussing the following themes: (i) regional maps/reviews of dyke swarms and related units, (ii) the role of giant dyke swarms in the reconstruction of supercontinents/paleocontinents, (iii) mapping of dykes using remote sensing techniques, (iv) geochronology of dyke swarms, (v) petrology, geochemistry and petrogenesis of dykes, (vi) emplacement mechanism of dykes, (vii) dyke swarms and planetary bodies, and (viii) links to mineralization and resources.

This two-volume set (CCIS 1229 and CCIS 1230) constitutes the refereed proceedings of the 5th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2019, held in Gurugram, India, in November 2019. The 74 revised full papers presented were carefully reviewed and selected from total 353 submissions. The papers are organized in topical sections on data centric programming; next generation computing; social and web analytics; security in data science analytics; big data analytics. This book constitutes the refereed proceedings of the 18th International Conference on Artificial Intelligence: Methodology, Systems, and Applications, AIMS 2018, held in Varna, Bulgaria, in September 2018. The 22 revised full papers and 7 poster papers presented were carefully reviewed and selected from 72 submissions. They cover a wide range of topics in AI: from machine learning to natural language systems, from information extraction to text mining, from knowledge representation to soft computing; from theoretical issues to real-world applications.

This second edition of a well-received text, with 20 new chapters, presents a coherent and unified repository of recommender systems' major concepts, theories, methodologies, trends, and challenges. A variety of real-world applications and detailed case studies are included. In addition to wholesale revision of the existing chapters, this edition includes new topics including: decision making and recommender systems, reciprocal recommender systems, recommender systems in social networks, mobile recommender systems, explanations for recommender systems, music recommender systems, cross-domain recommendations, privacy in recommender systems, and semantic-based recommender systems. This multi-disciplinary handbook involves world-wide experts from diverse fields such as artificial intelligence, human-computer interaction, information retrieval, data mining, mathematics, statistics, adaptive user interfaces, decision support systems, psychology, marketing, and consumer behavior. Theoreticians and practitioners from these fields will find this reference to be an invaluable source of ideas, methods and techniques for developing more efficient, cost-effective and accurate recommender systems.

With the growing use of information technology and the recent advances in web systems, the amount of data available to users has increased exponentially. Thus, there is a critical need to understand the content of the data. As a result, data-mining has become a popular research topic in recent years for the treatment of the "data rich and information poor" syndrome. In this carefully edited volume a theoretical foundation as well as important new directions for data-mining research are presented. It brings together a set of well respected data mining theoreticians and researchers with practical data mining experiences. The presented theories will give data mining practitioners a scientific perspective in data mining and thus provide more insight into their problems, and the provided new data mining topics can be expected to stimulate further research in these important directions.

From the bestselling author of *Charlie and the Chocolate Factory* and *The BFG!* Last seen flying through the sky in a giant elevator in *Charlie and the Chocolate Factory*, Charlie Bucket's back for another adventure. When the giant elevator picks up speed, Charlie, Willy Wonka, and the gang are sent hurtling through space and time. Visiting the world's first space hotel, battling the dreaded Vermicious Knids, and saving the world are only a few stops along this remarkable, intergalactic joyride.

After twenty-six years of unprecedented revolutionary upheavals and endless fighting, the victorious powers craved stability after Napoleon's defeat in 1815. With the threat of war and revolutionary terror still looming large, the coalition launched an unprecedented experiment to re-establish European security. With over one million troops remaining in France, they established the Allied Council to mitigate the threat of war and terror and to design and consolidate a system of deterrence. The Council transformed the norm of interstate relations into the first, modern system of collective security in Europe.

Drawing on the records of the Council and the correspondence of key figures such as Metternich, Castlereagh, Wellington and Alexander I, Beatrice de Graaf tells the story of Europe's transition from concluding a war to consolidating a new order. She reveals how, long before commercial interest and economic considerations on scale and productivity dictated and inspired the project of European integration, the common denominator behind this first impulse for a unification of Europe in norms and institutions was the collective fight against terror.

Offers a coherent strategy for ending oil dependence, starting with the United States but applicable worldwide. There are many analyses of the oil problem. This synthesis is the first roadmap of the oil solution, one led by business for profit, not dictated by government for reasons of ideology. This roadmap is independent, peer-reviewed, written for business and military leaders, and co-funded by the Pentagon. It combines innovative technologies and new business models with uncommon public policies: market-oriented without taxes, innovation-driven without mandates, not dependent on major (if any) national legislation, and designed to support, not distort, business logic. Anger can be a powerful political resource, but it mobilizes black and white Americans differentially to exacerbate political inequality.

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This highly original commentary, part of the *New International Commentary*, is unique for the way it combines concerns with first-century culture in the Roman world with understanding the text of Luke as a wholistic, historical narrative.

A guide to America's diverse food heritage offers a culinary tour of all fifty states, covering everything from the best diner food in New Jersey to the top fish tacos and burritos in the West.

This book constitutes the refereed proceedings of the third Maple Conference, MC 2019, held in Waterloo, Ontario, Canada, in October 2019. The 21 revised full papers and 9 short papers were carefully reviewed and selected out of 37 submissions, one invited paper is also presented in the volume. The papers included in this book cover topics in education, algorithms, and applications of the mathematical software Maple.

The whole-class mastery approach that works for every child. Underpinned by

the most effective teaching practices, and created by a team of mastery experts led by Series Editor Tony Staneff, Power Maths is designed to make the whole-class mastery teaching approach work for you, your children and your school. The Practice Books provide just the right amount of intelligent practice for children to complete independently in the final section of the lesson. The practice questions are for everyone - each question varies one small element to move children on in their thinking. All practice questions are carefully developed to reveal misconceptions. 'Reflect' questions help children to reason and show how deep their understanding is before moving on. Power Maths characters encourage and challenge children to develop growth mindsets and work flexibly. Calculations are connected so that children think about the underlying concept. The multiverse is a concept that acknowledges the existence of a multiplicity of worlds or universes. The designs of these universes do not have to be the same as our universe, but we have no clear view of what the "other" designs might be. It is suspected that they can obey different laws of physics and different constants of physics, which further implies different chemistry, biology, and life. Some say that the universes within the multiverse allow for different mathematics or even for different metamathematical logic. This book discusses most of the above aspects of the multiverse concept starting with the philosophy, through all the mathematical and physical subtleties, finally exploring the origin of life and consciousness. This book provides a satisfying intellectual exploration of front-edge advances in contemporary cosmology.

Recognizing the importance that modeling plays in the learning process, high school English teacher Kelly Gallagher shares how he gets his students to stand next to and pay close attention to model writers, and how doing so elevates his students' writing abilities. --from publisher description.

The Japanese attack on Hawaii provoked ¿the never-ending story.¿ Multiple official investigations and private historical inquiries into the attack and its background have generated enormous stocks of info. about both the American and Japanese sides. Even so, info. gaps still exist, and many important questions remain under debate. The authors of this report have focused on two of the event¿s controversies, the Winds Message and the state of U.S. communications intelligence prior to the Hawaiian attack. This assemblage of documents, supplemented by the authors¿ clear guide to their meaning, places the reader right in the middle of the behind-the-scenes events and helps the scholar and researcher to follow them closely. Illustrations.

In the framework of World Soil Day 2020, the Food and Agriculture Organization of the United Nations (FAO), the International Union of Soil Sciences (IUSS), and the Global Soil Partnership (GSP) launched a children's book contest on Soil Biodiversity with the motto "Keep soil alive, protect soil biodiversity". The book contest on soil biodiversity has given visibility to the importance of soil organisms and raised awareness on the urgency of protecting soil biodiversity. The soil biodiversity book competition highlights the importance of soil organisms and raises awareness of the urgent need to protect soil biodiversity among a young audience (children aged 6-11 years). This collection of 10 stories includes the best entries received from a total of 80 books spanning over 60

countries.

Biomedical Natural Language Processing is a comprehensive tour through the classic and current work in the field. It discusses all subjects from both a rule-based and a machine learning approach, and also describes each subject from the perspective of both biological science and clinical medicine. The intended audience is readers who already have a background in natural language processing, but a clear introduction makes it accessible to readers from the fields of bioinformatics and computational biology, as well. The book is suitable as a reference, as well as a text for advanced courses in biomedical natural language processing and text mining.

Monthly magazine devoted to topics of general scientific interest.

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