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KEY=STANDARD - TANIYA SALAZAR

GB - Chinese National Standard PDF Translated English; Product Catalog (National standard GB Series) Product catalog - Chinese National Standard: GB Series <https://www.chinesestandard.net> This document provides the comprehensive list of Chinese National Standards - Category: GB Series. **GB/T-2018, GB-2018 -- Chinese National Standard PDF-English, Catalog (year 2018) Chinese National Standard: GB Series of year 2018** <https://www.chinesestandard.net> This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2018. **Management of Drip/Trickle or Micro Irrigation** CRC Press This important book—the only complete, one-stop manual on microirrigation worldwide—offers knowledge and techniques necessary to develop and manage a drip/trickle or micro irrigation system. The simplicity of the contents facilitates a technician to develop an effective micro irrigation system. Management of Drip/Trickle or Micro Irrigation includes the basic considerations relating to soil-water-plant interactions, with topics such as methods for soil moisture measurement; evapotranspiration; irrigation systems; tensiometer use and installation; principles of drip/ micro/ trickle irrigation; filtration systems; automation; chloration; service and maintenance; design of drip irrigation and lateral lines; the evaluation of uniformity of application; and an economical analysis for selecting irrigation technology. **GB/T-2010, GB-2010 -- Chinese National Standard PDF-English, Catalog (year 2010) Chinese National Standard: GB Series of year 2010** <https://www.chinesestandard.net> This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2010. **GB/T-2017, GB-2017 -- Chinese National Standard PDF-English, Catalog (year 2017) Chinese National Standard: GB Series of year 2017** <https://www.chinesestandard.net> This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2017. **GB/T-2019, GB-2019 -- Chinese National Standard PDF-English, Catalog (year 2019) Chinese National Standard: GB Series of year 2019** <https://www.chinesestandard.net> This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2019. **NFPA 13 Standard for the Installation of Sprinkler System, 2013 An Introduction to Fire Protection Water Supply and Extinguishing Systems for Hospitals** Guyer Partners Introductory technical guidance for mechanical, electrical and architectural engineers and construction managers interested in fire protection design and construction for hospitals. Here is what is discussed: 1. WATER SUPPLY FOR FIRE PROTECTION 2. FIRE EXTINGUISHING SYSTEMS 3. FIRE ALARM SYSTEMS 4. SPECIAL REQUIREMENTS 5. COMMUNICATIONS BETWEEN BUILDINGS. **UPSC MAINS GENERAL STUDIES SOLVED PAPERS (2008-2020) PDF IAS EXAM PORTAL** Medium: English Pages: 600+ E-BOOK NAME : UPSC MAINS GENERAL STUDIES SOLVED PAPERS PDF Contents: General Studies UPSC MAIN - 2020 Paper-1 to Paper-4 General Studies UPSC MAIN - 2019 Paper-1 to Paper-4 General Studies UPSC MAIN - 2018 Paper-1 to Paper-4 General Studies UPSC MAIN - 2017 Paper-1 to Paper-4 General Studies UPSC MAIN - 2016 Paper-1 to Paper-4 General Studies UPSC MAIN - 2015 Paper-1 to Paper-4 General Studies UPSC MAIN - 2014 Paper-1 to Paper-4 General Studies UPSC MAIN - 2013 Paper-1 to Paper-4 General Studies UPSC MAIN - 2012 Paper-1 to Paper-4 General Studies UPSC MAIN - 2011 Paper-1 to Paper-2 General Studies UPSC MAIN - 2010 Paper-1 to Paper-2 General Studies UPSC MAIN - 2009 Paper-1 to Paper-2 General Studies UPSC MAIN - 2008 Paper-1 to Paper-2 **The National Agricultural Directory 2009** RainbowSA Pressurized Irrigation Network Systems in India Adoption, Efficiency and Institutional Dynamics Allied Publishers The present book intends to assess the performance of Pressurized Irrigation Network System (PINS), the effectiveness of institutional arrangements for management of PINS projects and the bottlenecks for their smooth functioning in India. Since Gujarat, Rajasthan, Maharashtra and Telangana are the leading states of the country promoting PINS and MIS, the study was planned as an all India coordinated study covering these four states. The WUAs in the study areas of the selected states were interviewed to capture the dynamics of community based irrigation management. Under different command areas, the study analysed system performance of PINS with MIS such as drip and sprinklers in terms of their functioning, costs and benefits, adoptability. The study finds beneficial impact of PINS investment on cropped area, irrigation area, farm production as well as water and energy savings. The book will be very useful for those who are interested in policies and governance issues related to irrigation water management in the country and the selected states in particular. **GB/T-2012, GB-2012 -- Chinese National Standard PDF-English, Catalog (year 2012) Chinese National Standard: GB Series of year 2012** <https://www.chinesestandard.net> This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2012. **Water-Wise: Smart irrigation strategies for Africa** Intl Food Policy Res Inst The report begins with an overview of the challenges on agricultural systems to make more food available and accessible and lays out the potential of irrigation to make agriculture more productive, efficient and profitable for smallholder farmers. A discussion on the potential to expand irrigation across Africa and barriers to uptake including an analysis of the inherent risks and desired outcomes of irrigation forms the next section. The report reviews the traditional and new, innovative smallscale and large-scale irrigation approaches and technologies that have been implemented in Africa, followed by an analysis of the experiences of six African countries that have been particularly innovative and successful in terms of their institutional and policy design for irrigation. The report closes by drawing some key lessons and offering nine recommendations for actions by African governments and the private sector. **Guidelines on Irrigation Investment Projects** United Nations Irrigation has been and will continue to be an agricultural and rural investment priority. Development of the irrigation sector faces multiple challenges, including water scarcity and degradation, competition over shared resources, and the impact of climate change. Innovations are needed to address these challenges, as well as emerging needs, and to promote productive, equitable and sustainable water management. These guidelines, produced by an inter-agency team, highlight experiences and lessons learned from global irrigation investment operations. They introduce innovative approaches, tools and references, and provide practical guidance on how to incorporate or apply them at each stage of the investment project cycle. The guidelines will be a useful resource for national and international professionals involved in irrigation investment operations. **Guidelines on irrigation investment projects** Food & Agriculture Org. Irrigation has been and will continue to be an agricultural and rural investment priority. Development of the irrigation sector faces multiple challenges, including water scarcity and degradation, competition over shared resources, and the impact of climate change. Innovations are needed to address these challenges, as well as emerging needs, and to promote productive, equitable and sustainable water management. 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Against a potential to serve 1.8 million hectares, the Project was irrigating just 100,000 hectares five years after the dam and main canals were ready. Indications are that full project benefits will get delayed by years, even decades. In this paper, IWMI researchers advance ten reasons why the Project should abandon its original plan of constructing open channels and license private service providers to invest in pumps and buried pipeline networks to sell irrigation service to farmers. **The National Agricultural Directory 2011** RainbowSA **Fire Fighter Safety and Survival** Jones & Bartlett Publishers **Fire Fighter Safety and Survival** is an essential guide designed to keep fire fighters safe from the many hazards they will face on-the-job. Developed around the 16 Firefighter Life Safety Initiatives, this textbook provides scores of real-life examples from the fire service and other high-risk industries to illustrate the dangers of fire fighting. More importantly, these examples help readers to stay safe in similar situations by offering helpful information on risk management, how to incorporate safety procedures within their department, and how to foster a culture of safety to ensure that Everyone Goes Home. The Second Edition features: Coverage of the Fire and Emergency Services Higher Education (FESHE) Firefighter Safety and Survival model curriculum. Updated statistics, references, and examples from recent events Over 100 real-life examples from the fire service and nuclear, medical, military, and airline industries to provide readers with a complete understanding of risk management, safety systems, and situational awareness principles. Fire science students, seasoned professionals, and rookies alike can turn to Fire Fighter Safety and Survival, Second Edition for the knowledge and tools needed to make a difference in their departments without sacrificing cherished, long-standing traditions." **Sprinkler Hydraulics A Guide to Fire System Hydraulic Calculations** Springer Nature This is the foremost guide to hydraulically designing sprinkler systems for commercial and residential buildings. **Sprinkler Hydraulics, Third Edition** includes the latest developments in automatic sprinkler design, as well as going beyond the NFPA 13 Standard to explain everything needed to know to professionally design a system. **Sprinkler Hydraulics, Third Edition** explains flow phenomena to help the reader evaluate calculated sprinkler systems. Starting with a general discussion of the mathematics involved, the discussion proceeds to define sprinkler density, including several examples which explain how to determine discharge areas. • Includes the latest developments in automatic sprinkler design, as well as going beyond the NFPA 13 Standard to explain everything needed to know to professionally design a system; • Starting with a general discussion of the mathematics involved, the discussion proceeds to define sprinkler density, including several examples which explain how to determine discharge areas; • Explains flow phenomena to help the reader evaluate calculated sprinkler systems. **List of English-translated Chinese standards 2005 English-translated Chinese standards** <https://www.codeofchina.com> **HTTPS://WWW.CODEOFCHINA.COM EMAIL:COC@CODEOFCHINA.COM** "Codeofchina Inc., a part of TransForyou (Beijing) Translation Co., Ltd., is a professional Chinese code translator in China. Now, Codeofchina Inc. is running a professional Chinese code website, www.codeofchina.com. Through this website, Codeofchina Inc. provides English-translated Chinese codes to clients worldwide. About TransForyou TransForyou (Beijing) Translation Co., Ltd., established in 2003, is a reliable language service provider for clients at home and abroad. Since our establishment, TransForyou has been aiming to build up a translation brand with our professional dedicated service. Currently, TransForyou is the director of China Association of Engineering Construction Standardization (CECS); the committeeman of Localization

Service Committee / Translators Association of China (TAC) and the member of Boya Translation Culture Salon (BTCS); and the field study center of the University of the University of International Business & Economics (UIBE) and Hebei University (HU). In 2016, TransForyou ranked 27th among Asian Language Service Providers by Common Sense Advisory. " Proposed National Assembly for Wales (Legislative Competence) (Housing) Order 2009, Relating to Domestic Fire Safety Second Report of Session 2009-10, Report, Together with Formal Minutes, Oral and Written Evidence *The Stationery Office* Incorporating HC 1110, session 2008-09 The United Nations World Water Development Report Valuing Water *UNESCO Publishing* Water is a finite and non-substitutable resource. As the foundation of life, societies and economies, it carries multiple values and benefits. But unlike most other natural resources, it has proven extremely difficult to determine its true 'value'. The 2021 edition of the United Nations World Water Development Report, titled "Valuing Water" assesses the current status of and challenges to the valuation of water across different sectors and perspectives and identifies ways in which valuation can be promoted as a tool to help improve its management and achieve global sustainable development. Designer's Guide to Automatic Sprinkler Systems *NationalFireProtectionAssoc* Migration and gender dynamics of irrigation governance in Nepal *Intl Food Policy Res Inst* Nepal has a long history of irrigation, including government and farmer-managed irrigation systems that are labor- and skill-intensive. Widespread male migration has important effects on Nepalese society. How institutions such as Water Users' Associations (WUAs) respond and adapt, is therefore critical to the understanding of rural transformation and the likely impact on gender equality, food production, and rural livelihoods. This paper examines the effects of male migration on institutional change in WUAs, women's roles, technological change, and outcomes affecting effectiveness of irrigation systems based on a mixed methods study, combining a phone survey of 336 WUA leaders from all provinces in Nepal with qualitative data from case studies in 10 irrigation systems. Results indicate WUAs have adapted rules to increase women's participation and monetize the contributions for maintenance. Women exercise agency in whether and how to interact with WUAs. Mechanization has reduced the need for some male labor, though the ability to mechanize is limited by hilly terrain and small plot sizes. Overall, systems are adapting to male migration, with relatively low idling of land or labor shortages causing deterioration of the systems, though there are concerns with the high levels of women's labor burdens. *Encyclopedia of Agriculture and Food Systems Elsevier* *Encyclopedia of Agriculture and Food Systems*, Second Edition addresses important issues by examining topics of global agriculture and food systems that are key to understanding the challenges we face. Questions it addresses include: Will we be able to produce enough food to meet the increasing dietary needs and wants of the additional two billion people expected to inhabit our planet by 2050? Will we be able to meet the need for so much more food while simultaneously reducing adverse environmental effects of today's agriculture practices? Will we be able to produce the additional food using less land and water than we use now? These are among the most important challenges that face our planet in the coming decades. The broad themes of food systems and people, agriculture and the environment, the science of agriculture, agricultural products, and agricultural production systems are covered in more than 200 separate chapters of this work. The book provides information that serves as the foundation for discussion of the food and environment challenges of the world. An international group of highly respected authors addresses these issues from a global perspective and provides the background, references, and linkages for further exploration of each of topics of this comprehensive work. Addresses important challenges of sustainability and efficiency from a global perspective. Takes a detailed look at the important issues affecting the agricultural and food industries today. Full colour throughout. *Fire Protection Systems* includes *Navigate Advantage Access Jones & Bartlett Learning* The third edition of *Fire Protection Systems* meets and exceeds the National Fire Academy's Fire and Emergency Services Higher Education (FESHE) course objectives and outcomes for the Associate's (Core) course *Fire Protection Systems (C0288)*. The Third Edition provides a comprehensive and concise overview of the design and operation of various types of fire protection systems, including fire alarm and detection systems, automatic fire sprinkler systems, special hazard fire protection systems, smoke control and management systems, and security and emergency response systems. The Third Edition includes: An emphasis on testing and inspection—Testing and inspection are stressed throughout and are reinforced through discussions of design and installation standards, testing and inspection processes and requirements, and common system impairments. Updated model code overview—An overview of the model code development process is presented to assist students in understanding the origin and ongoing significance of building, fire, and life safety issues and requirements. Case Studies—Each chapter begins with a case study that highlights actual events and lessons learned to emphasize the importance of designing, installing, inspecting, and maintaining fire protection systems to effectively fight fires. Additional case studies close each chapter and provide students a means to test their knowledge of the chapter concepts in the context of a fictional case. Full-color photos and illustrations, in a larger 8 1/2 x 10 7/8 trim size, help identify the various systems and their associated components. *The Benefits and Risks of Solar Powered Irrigation - a global overview Food & Agriculture Org.* The report gives a state-of-the-art overview of policies, regulations and incentives for the sustainable use of solar-powered irrigation technologies (SPIS) around the world. SPIS offer a viable, low-tech energy solution for irrigated agriculture, providing a reliable source of energy in remote areas, contributing to rural electrification, reducing energy costs for irrigation and enabling low emission agriculture. Nevertheless, SPIS have a significant initial investment cost and require innovative financing models to overcome this barrier to adoption, especially for small-scale farmers. Technical knowledge and service infrastructure is needed to ensure that the systems run effectively. Moreover, SPIS - if not adequately managed - bear the risk of fostering unsustainable water use as lower energy costs may lead to over-abstraction of groundwater. This report looks at how different countries work to create an enabling environment for SPIS technologies, while managing the risks that come with it. *Irrigation and Drainage Engineering Springer* This textbook focuses specifically on the combined topics of irrigation and drainage engineering. It emphasizes both basic concepts and practical applications of the latest technologies available. The design of irrigation, pumping, and drainage systems using Excel and Visual Basic for Applications programs are explained for both graduate and undergraduate students and practicing engineers. The book emphasizes environmental protection, economics, and engineering design processes. It includes detailed chapters on irrigation economics, soils, reference evapotranspiration, crop evapotranspiration, pipe flow, pumps, open-channel flow, groundwater, center pivots, turf and landscape, drip, orchards, wheel lines, hand lines, surfaces, greenhouse hydroponics, soil water movement, drainage systems design, drainage and wetlands contaminant fate and transport. It contains summaries, homework problems, and color photos. The book draws from the fields of fluid mechanics, soil physics, hydrology, soil chemistry, economics, and plant sciences to present a broad interdisciplinary view of the fundamental concepts in irrigation and drainage systems design. *Irrigation Systems and Practices in Challenging Environments BoD - Books on Demand* The book *Irrigation Systems and Practices in Challenging Environments* is divided into two interesting sections, with the first section titled *Agricultural Water Productivity in Stressed Environments*, which consists of nine chapters technically crafted by experts in their own right in their fields of expertise. Topics range from effects of irrigation on the physiology of plants, deficit irrigation practices and the genetic manipulation, to creating drought tolerant variety and a host of interesting topics to cater for the those interested in the plant water soil atmosphere relationships and agronomic practices relevant in many challenging environments, more so with the onslaught of global warming, climate change and the accompanying agro-meteorological impacts. The second section, with eight chapters, deals with systems of irrigation practices around the world, covering different climate zones apart from showing casing practices for sustainable irrigation practices and more efficient ways of conveying irrigation waters - the life blood of agriculture, undoubtedly the most important sector in the world. *Fire Science and Technology 2015 The Proceedings of 10th Asia-Oceania Symposium on Fire Science and Technology Springer* This book focuses on topics in the entire spectrum of fire safety science, targeting research in fires, explosions, combustion science, heat transfer, fluid dynamics, risk analysis, structural engineering, and other subjects. The book contributes to a gain in advanced scientific knowledge and presents or advances new ideas in all topics in fire safety science. Two decades ago, the 1st Asia-Oceania Symposium on Fire Science and Technology was held in Hefei, China. Since then, the Asia-Oceania Symposia have grown in size and quality. This book, reflecting that growth, helps readers to understand fire safety technology, design, and methodology in diverse areas including historical buildings, photovoltaic panels, batteries, and electric vehicles. *Irrigation: System and pump selection NSW Agriculture* This book has two parts. Part 1 will help you choose the irrigation system that is right for you, and Part 2 will help you select, operate and maintain your pumping equipment. Part 1 If you are installing or upgrading an irrigation system you will probably be seeking to increase production, decrease the amount of water used or reduce labour required. Part one of this book is about selecting the irrigation system that is best for your enterprise. It is an overview of: · the most widely used irrigation methods in NSW · the capabilities and limitations of the most widely used irrigation methods in NSW · the major issues to consider when selecting an irrigation system · the basic financial analysis you can use to determine the viability of a system you are considering. Part 2 You can save money by increasing productivity and efficiency of your irrigation system if you can improve the performance of the pump. This section about the features of common irrigation pumps helps you to select, operate and maintain your pumping equipment. It contains information on pump types, duty, curves and selection. It contains an explanation of: · the common types of pumps for irrigation systems · pumping head components: static head; suction head; velocity head; friction loss · manufacturers' pump curves · maintenance and troubleshooting procedures for pumps. This publication was produced by Education Delivery, Tocal College. It supports the following competencies from National Training Package AHC10 Agriculture, Horticulture, Conservation and Land Management: AHCIRG306A - Troubleshoot irrigation systems, AHCIRG402A - Determine hydraulic parameters for an irrigation system, AHCIRG410A - Select and manage pumping systems for irrigation *Irrigation Water Productivity and Operation, Sustainability and Climate Change BoD - Books on Demand* The management of irrigation systems is context-dependent, socially constructed, and technically uncertain. An example of complex social-ecological systems, irrigation deals with both the ecosystem uncertainty and the implementation of new technological systems and water management options. Issues to be addressed by irrigation systems at the global scale include: water productivity and food security, field operation and maintenance, spate irrigation in climate change scenarios, and vulnerability of environmental resources. This book provides examples of some of the current challenges faced by irrigation systems from technical and social perspectives. The book offers an easy-to-follow format focused on different case studies combining evidence-based solutions for increasing resilience and reducing vulnerability of irrigation systems in semi-arid and arid regions across the world. *Drip Irrigation for Agriculture Untold Stories of Efficiency, Innovation and Development Taylor & Francis* Initially associated with hi-tech irrigated agriculture, drip irrigation is now being used by a much wider range of farmers in emerging and developing countries. This book documents the enthusiasm, spread and use of drip irrigation systems by smallholders but also some disappointments and disillusion faced in the global South. It explores and explains under which conditions it works, for whom and with what effects. The book deals with drip irrigation 'behind the scenes', showcasing what largely remain 'untold stories'. Most research on drip irrigation use plot-level studies to demonstrate the technology's ability to save water or improve efficiencies and use a narrow and rather prescriptive engineering or economic language. They tend to be grounded in a firm belief in the technology and focus on the identification of ways to improve or better realize its potential. The technology also figures prominently in poverty alleviation or agricultural modernization narratives, figuring as a tool to help smallholders become more innovative, entrepreneurial and business minded. Instead of focusing on its potential, this book looks at drip irrigation-in-use, making sense of what it does from the perspectives of the farmers who use it, and of the development workers and agencies, policymakers, private companies, local craftsmen, engineers, extension agents or researchers who engage with it for a diversity of reasons and to realize a multiplicity of objectives. While anchored in a sound engineering understanding of the design and operating principles of the technology, the book extends the analysis beyond engineering and hydraulics to understand drip irrigation as a sociotechnical phenomenon that not only changes the way water is supplied to crops but also transforms agricultural farming systems and even how society is organized. The book provides field evidence from a diversity of interdisciplinary case studies in sub-Saharan Africa, the Mediterranean, Latin America, and South

Asia, thus revealing some of the untold stories of drip irrigation. *Handbook of Fire and the Environment Impacts and Mitigation* Springer Nature The fundamental purpose of this handbook is to raise awareness about environmental impacts of fire and fire suppression, primarily within the fire engineering and firefighting communities, but also within the environmental engineering and planning disciplines. The Handbook provides readers with a fundamental understanding of the problem and its magnitude and includes a set of tools and methods for assessing environmental, social and financial impacts, and a set of tools for identifying and selecting appropriate mitigation options. How to support effective and inclusive irrigation water users' associations a guide for practitioners *International Water Management Institute (IWMI)*. CGIAR Research Program on Water, Land and Ecosystems (WLE). An ecosystem approach to promote the integration and coexistence of fisheries within irrigation systems *Food & Agriculture Org*. This technical document has been developed in recognition of the increasingly diverse demands for water from irrigation systems and the need to introduce more holistic land uses into conventional irrigation management. Despite historical precedents and efforts in the twentieth and early twenty-first centuries, the potential for the integration of fish production (capture fisheries and aquaculture) and irrigation systems has yet to be fully realized. Capturing these underutilized opportunities for the integration of fisheries and aquaculture could significantly increase local economies, food security, household incomes and livelihood diversity within irrigated agriculture systems. To re-examine the potential of fisheries in irrigation systems, the concept of the extended command area (ECA) is used, expanding the conventional definition of an agriculture irrigation command area. The reason for this expanded definition is because all elements of an irrigation system, from upstream dam storage to downstream drainage areas, offer opportunities for increasing fish production. Many of these opportunities may be realized at no additional cost to the main irrigated crop. This document provides an introduction to the ways fisheries and aquaculture already co-exist with irrigation and explores the threats and opportunities that arise from this. A key concept for sustaining and enhancing inland capture fisheries is "connectivity"- a fundamental basis for ensuring adequate environmental conditions to allow fish to flourish within an aquatic ecosystem such as a river, lake, or wetland. Improving connectivity within an ECA can restore elements of ecological services that may have been compromised or degraded through irrigation, water management or through other rural infrastructure development such as road construction. Practical application of the integration of fisheries and irrigation systems is explored through the use of the Ecosystem Approach to Fisheries (EAF) in the context of irrigation systems. The proposed process links the development of an EAF management plan for fisheries to irrigation system operation and is given the acronym EAFm-i. A key part of this linkage is an assessment of water resources in the system and the management of water for delivery to fisheries. Additional tools to support the EAFm-i process are also described. Although the experience and approach are drawn largely from irrigation systems and inland capture fisheries in Southeast Asia, the application of the ECA concept and approach will be relevant to any irrigation or water management system where there is potential for the closer integration and harmonization of fisheries and irrigation systems and where water users are interested in realizing this potential. This short paper is intended to encourage fisheries and irrigation specialists to engage in greater dialogue and cooperation over the integration of fisheries into irrigation planning and to support piloting of an EAFm-i process, which can be the basis for further development. UC IPM Pest Management Guidelines--cole Crops Typology of irrigation systems in Ghana *IWMI* Interest in African irrigation investment is growing. However, irrigation is not a monolithic concept, and the opportunities and risks can vary substantially by approach. To help provide an understanding of the variation, this paper builds on previous work to provide a detailed typology of irrigation systems as currently used in Ghana. Innovative Approaches for Sustainable Development Theories and Practices in Agriculture *Springer Nature*