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neutron stars are the collapsed cores of some massive stars they pack roughly the mass of our sun into a region the size of a city neutron stars are believed to form in supernovae such as the one that formed the crab nebula the stars that eventually become neutron stars are thought to start out with about 15 to 30 times the mass of our sun it appears that for initial masses much less than 15 solar masses the star becomes a white dwarf whereas for initial masses a lot higher than 30 solar masses a black hole results instead it is estimated that there are 108 neutron stars in our galaxy about 1000 of these have actually been observed by astronomers so far this new book presents recent and important research results in the field boldly go where no man has gone before and discover the real science behind the cyborgs starships aliens and antimatter of the star trek galaxy star trek is one of the highest grossing media franchises of all time it has changed our cultural landscape in so many ways since it first aired in 1966 the franchise has generated billions of dollars in revenue leading to a wide range of spin off games novels toys and comics star trek is noted for its social science too with its progressive civil rights stances and its celebration of future diversity that began with the original series one of television s first multiracial casts the science of star trek explores one of the greatest science fiction universes ever created and showcases the visionary tech that inspired and influenced the real world science of today the perfect star trek gift for fans of the franchise this book addresses many unanswered burning questions including what can star trek tell us about aliens in our milky way how has star trek influenced space culture what can star trek tell us about planet hunting what star trek machines came true when will we boldly go learn more about one of our favorite modern epics with the science of star trek long term monitoring is of fundamental significance in solving many important problems in astrophysics and furthermore has unequalled value in extending observational runs with small telescopes for the education of young astronomers in order to teach them how to secure high quality observational data over many years the impact of long term monitoring on variable star research contains reports based on the analysis of data collected in the visible ir and radio measurement ranges as well as the design and history of well known photometric systems though the reporting of novel results forms an important part of the book there are also reports of eight discussion sessions covering more general areas such as extinction monitoring the problems of archival storage of astronomical data service observation the role played by long term monitoring in graduate teaching and thesis supervision the interplay between the great observational effort and theory the contribution of ltm to new knowledge of fundamental data and the increasing decommissioning of telescopes of modest aperture lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the nasa scientific and technical information database as information systems used for research and educational purposes have become more complex there has been an increase in the need for new computing architecture high performance and cloud computing provide reliable and cost effective information technology infrastructure that enhances research and educational processes handbook of research on high performance and cloud computing in scientific research and education presents the applications of cloud computing in various settings such as scientific research education e learning ubiquitous learning and social computing providing various examples practical solutions and applications of high performance and cloud computing this book is a useful reference for professionals and researchers discovering the applications of information and communication technologies in science and education as well as scholars seeking insight on how modern technologies support scientific research accurate approachable and indispensable this illustrated science encyclopedia is arranged in such categories as planet earth living things chemistry and the elements materials and technology space and time and conservation and the environment 2 000 full color photos illustrations monthly magazine devoted to topics of general scientific interest this is the first of three volumes that chart the history of the science fiction magazine from the earliest days to the present this first volume looks at the exuberant years of the pulp magazines it traces the growth and development of the science fiction magazines from when hugo gernsback launched the very first amazing stories in 1926 through to the birth of the atomic age and the death of the pulps in the early 1950s these were the days of the youth of science fiction when it was brash raw and exciting the days of the first great space operas by edward elmer smith and edmond hamilton through the cosmic thought variants by murray

leinster jack williamson and others to the early 1940s when john w campbell at astounding did his best to nurture the infant genre into adulthood under him such major names as robert a heinlein isaac asimov a e van vogt and theodore sturgeon emerged who along with other such new talents as ray bradbury and arthur c clarke helped create modern science fiction for over forty years magazines were at the heart of science fiction and this book considers how the magazines and their publishers editors and authors influenced the growth and perception of this fascinating genre

Progress in Neutron Star Research 2005

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The Science of Star Trek 2022-04-05

boldly go where no man has gone before and discover the real science behind the cyborgs starships aliens and antimatter of the star trek galaxy star trek is one of the highest grossing media franchises of all time it has changed our cultural landscape in so many ways since it first aired in 1966 the franchise has generated billions of dollars in revenue leading to a wide range of spin off games novels toys and comics star trek is noted for its social science too with its progressive civil rights stances and its celebration of future diversity that began with the original series one of television s first multiracial casts the science of star trek explores one of the greatest science fiction universes ever created and showcases the visionary tech that inspired and influenced the real world science of today the perfect star trek gift for fans of the franchise this book addresses many unanswered burning questions including what can star trek tell us about aliens in our milky way how has star trek influenced space culture what can star trek tell us about planet hunting what star trek machines came true when will we boldly go learn more about one of our favorite modern epics with the science of star trek

Environmental research : STAR grants focus on agency priorities, but management enhancements are possible : report to the Chairman, Subcommittee on VA, HUD, and Independent Agencies, Committee on Appropriations, House of Representatives 1877

long term monitoring is of fundamental significance in solving many important problems in astrophysics and furthermore has unequalled value in extending observational runs with small telescopes for the education of young astronomers in order to teach them how to secure high quality observational data over many years the impact of long term monitoring on variable star research contains reports based on the analysis of data collected in the visible ir and radio measurement ranges as well as the design and history of well known photometric systems though the reporting of novel results forms an important part of the book there are also reports of eight discussion sessions covering more general areas such as extinction monitoring the problems of archival storage of astronomical data service observation the role played by long term monitoring in graduate teaching and thesis supervision the interplay between the great observational effort and theory the contribution of ltm to new knowledge of fundamental data and the increasing decommissioning of telescopes of modest aperture

Science Observer 2024-01-31

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International Conference on Smart Technologies and Applied Research STAR 2023 ABSTRACT BOOK 1881

as information systems used for research and educational purposes have become more complex there has been an increase in the need for new computing architecture high performance and cloud computing provide reliable and cost effective information technology

infrastructure that enhances research and educational processes handbook of research on high performance and cloud computing in scientific research and education presents the applications of cloud computing in various settings such as scientific research education e learning ubiquitous learning and social computing providing various examples practical solutions and applications of high performance and cloud computing this book is a useful reference for professionals and researchers discovering the applications of information and communication technologies in science and education as well as scholars seeking insight on how modern technologies support scientific research

English Mechanic and World of Science 1829

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The Polar Star of Entertainment and Popular Science, and Universal Repertorium of General Literature 1970

monthly magazine devoted to topics of general scientific interest

***U.S. Government Research & Development Reports* 2012-12-06**

this is the first of three volumes that chart the history of the science fiction magazine from the earliest days to the present this first volume looks at the exuberant years of the pulp magazines it traces the growth and development of the science fiction magazines from when hugo gernsback launched the very first amazing stories in 1926 through to the birth of the atomic age and the death of the pulps in the early 1950s these were the days of the youth of science fiction when it was brash raw and exciting the days of the first great space operas by edward elmer smith and edmond hamilton through the cosmic thought variants by murray leinster jack williamson and others to the early 1940s when john w campbell at astounding did his best to nurture the infant genre into adulthood under him such major names as robert a heinlein isaac asimov a e van vogt and theodore sturgeon emerged who along with other such new talents as ray bradbury and arthur c clarke helped create modern science fiction for over forty years magazines were at the heart of science fiction and this book considers how the magazines and their publishers editors and authors influenced the growth and perception of this fascinating genre

The Impact of Long-Term Monitoring on Variable Star Research 1885

English Mechanics and the World of Science 1881

English Mechanic and Mirror of Science and Art 1981

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American Journal of Pharmacy and the Sciences Supporting Public Health 1892

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American Journal of Science 2000-01-01

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