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Astro-Imaging Projects for Amateur Astronomers Imaging the Southern Sky Hunting and Imaging Comets The Astrophotography Manual The Art of Astrophotography An Amateur's Guide to Observing and Imaging the Heavens Capturing the Universe The Art of Astrophotography Using Sequence Generator Pro and Friends The Astrophotography Manual So You Want a Meade LX Telescope! The Handbook of Astronomical Image Processing Astronomical Spectroscopy for Amateurs The NexStar User's Guide II Turn Left at Orion The History of the Devil and the Idea of Evil Inside PixInsight The Astrophotography Manual Calibration of Fundamental Stellar Quantities Star Testing Astronomical Telescopes Sky Vistas Pocket Genius: Cats Narrow-Gap Semiconductors Atlas of Galaxies The Story of the Weather Simply Told for General Readers Discovering Astronomy The History of the Devil CPHIMS Review Guide Robotic Observatories The Cartel 3: The Future of Photometric, Spectrophotometric and Polarimetric Standardization The 100 Best Astrophotography Targets Photographing Children in Natural Light Stargazing with Binoculars How We See the Sky The Planets Guide to Imaging the Moon On Photography I Heart Easter House of Darke

Photographing Children in Natural Light ***Aug 06 2020 This book shows you how to make the most of natural light when photographing children on location or at home and to take beautiful pictures to cherish. It emphasizes the importance of understanding the qualities of natural light at certain times of the day and in different seasons. Focusing on the fundamentals of traditonal protraiture, it encourages you to create images in your own style and with timeless beauty. The book explains control of light and exposure, advises on composition and perspective and emphasizes communication, expression and creating visual emotion.It also shares ideas for locations and seeing beyond the ordinary and encourages experimentation and creativity. Invaluable for both parents and aspiring professional photographers. Superbly illustrated with 222 colour photographs.***

The History of the Devil and the Idea of Evil Jan 23 2022

The Astrophotography Manual Feb 04 2023 The Astrophotography Manual, Second Edition is for photographers ready to move beyond standard SLR cameras and editing software to create beautiful images of nebulas, galaxies, clusters, and the stars. Beginning with a brief astronomy primer, this book takes readers through the full astrophotography process, from choosing and using equipment to image capture, calibration, and processing. This combination of technical background and hands-on approach brings the science down to earth, with practical methods to ensure success. This second

edition now includes: Over 170 pages of new content within 22 new chapters, with 600 full-color illustrations. Covers a wide range of hardware, including mobile devices, remote control and new technologies. Further insights into leading software, including automation, Sequence Generator Pro and PixInsight Ground-breaking practical chapters on hardware and software as well as alternative astrophotography pursuits

The Handbook of Astronomical Image Processing May 27 2022

Capturing the Universe Nov 01 2022 This book provides a thorough introduction to and exploration of deep sky astrophotography for the digital photographer. With over 280 images, graphs, and tables, this introductory book uses a progressive and practical style to teach readers how to image the night sky using existing, affordable equipment. The book opens with a brief astronomy primer, followed by chapters that build progressively to explain the challenges, offer solutions, and provide invaluable information on equipment choice through image capture, calibration, and processing in affordable software. The book's focus ranges from how to image sweeping vistas and star trails using only a camera body, lens and tripod, to more advanced methods suitable for imaging galaxies, clusters, nebulae, and stars. Other features of the book include: Real-world assignments showing how and when to use certain tools and how to overcome challenges and setbacks Practical construction projects Evaluations of the most recent

developments in affordable hardware and software Exploration on how sensor performance and light pollution relate to image quality and exposure planning Ground-breaking practical chapters on lucky imaging and choosing and using the latest CMOS cameras Written in an accessible, easy to follow format, this comprehensive guide equips readers with all the necessary skills to progress from photographer to astrophotographer.

House of Darke Dec 30 2019 Zade, Tina, Pip and Meadow are four teenagers enjoying an end-of-summer bike ride - that is until a mist descends, leaving them stranded at a picnic area in the middle of the countryside. What can they do? The grey fog is dense and they can't see a metre in front of them. They abandon their bikes and set off to seek help. Finding shelter by way of the secluded country house owned by the wealthy and charming Lord Epacseon Darke, they had no idea what would happen next. Welcome to House of Darke - enjoy your stay!

The Story of the Weather Simply Told for General Readers Apr 13 2021

The Future of Photometric, Spectrophotometric and Polarimetric Standardization Oct 08 2020 These proceedings from the May 2006 conference focus on the present status and the future of standardization and calibration of these fields, including the production process for those standards and the construction and use of calibration apparatus. Topics include the basic concepts of standardization; the construction, calibration and

maintenance of photometric systems; sky surveys in photometry; standardization of spectrophotometry; spectrophotometric and photometric absolute flux calibrations; standardization for the infrared; standardization of polarimetry; synthetic data and models; reduction techniques, procedures and methods; standardization of unusual objects such as supernovae and variable stars; and recommendations for the future. The editors have provided object, subject and author indices and have dedicated this volume to Arlo U. Landolt in commemoration of his life's work.

The Art of Astrophotography Jan 03 2023 This book provides a step-by-step guide of how anyone can capture and produce beautiful astronomical images, for beginners and professionals alike.

An Amateur's Guide to Observing and Imaging the Heavens Dec 02 2022 An Amateur's Guide to Observing and Imaging the Heavens is a highly comprehensive guidebook that bridges the gap between the beginners' and hobbyists' books and the many specialised and subject-specific texts for more advanced amateur astronomers. Written by an experienced astronomer and educator, the book is a one-stop reference providing extensive information and advice about observing and imaging equipment, with detailed examples showing how best to use them. In addition to providing in-depth knowledge about every type of astronomical telescope and highlighting their strengths and weaknesses, two chapters offer

advice on making visual observations of the Sun, Moon, planets, stars and galaxies. All types of modern astronomical imaging are covered, with step-by-step details given on the use of DSLRs and web-cams for solar, lunar and planetary imaging and the use of DSLRs and cooled CCD cameras for deep sky imaging.

I Heart Easter Jan 29 2020 Perfect to entertain kids over the Easter break, this pocket-sized colouring book is filled with decorative eggs, spring flowers, fluffy bunnies, chicks and other cute animals.

Hunting and Imaging Comets Mar 05 2023 For many astronomers, the holy grail of observation is to discover a comet, not least because comets always bear the name of their discoverer! Hunting and Imaging Comets was written for comet hunters and digital imagers who want to discover, rediscover, monitor, and make pictures of comets using astronomical CCD cameras and DSLRs. The old days of the purely visual comet hunter are pretty much over, but this is not to say that amateurs have lost interest in finding comets. The books also covers the discovery of comet fragments in the SOHO image data, CCD monitoring of older comets prone to violent outbursts, the imaging of new NEOs (Near Earth Objects) that have quite often been revealed as comets - not asteroids - by amateur astronomers, and the finding of recent comets impacting Jupiter.

The Art of Astrophotography Sep 30 2022 In The Art of Astrophotography, astronomer and Popular Astronomy columnist Ian Morison provides the

essential foundations of how to produce beautiful astronomical images. Every type of astroimaging is covered, from images of the Moon and planets, to the constellations, star clusters and nebulae within our Milky Way Galaxy and the faint light of distant galaxies. He achieves this through a series of worked examples and short project walk-throughs, detailing the equipment needed – starting with just a DSLR (digital single lens reflex) camera and tripod, and increasing in complexity as the book progresses - followed by the way to best capture the images and then how, step by step, these may be processed and enhanced to provide results that can rival those seen in astronomical magazines and books. Whether you are just getting into astrophotography or are already deeply involved, Morison's advice will help you capture and create enticing astronomical images.

So You Want a Meade LX Telescope! Jun 27 2022 Computers and Astronomy Perhaps every generation of astronomers believes that their telescopes are the best that have ever been. They are surely all correct! The great leap of our time is that computer-designed and machined parts have led to more accurately made com- nents that give the astronomer ever better views. The manual skills of the craftsman mirror grinder have been transformed into the new-age skills of the programmer and the machine maker. (The new products did not end the work of craftsman te- scope makers, though. Many highly skilled amateur/professional opticians cont- ued to

produce good-quality mirrors that are still seen today.) Amateur-priced telescopes are now capable of highly accurate tracking and computer control that were once only the province of professionals. This has greatly increased the p- sibilities of serious astronomy projects for which tailor-made software has been developed. Add a CCD camera to these improved telescopes (see Chap. 3), and you bring a whole new dimension to your astronomy (see Fig. 1. 1). Look Before You Leap! But first, a word of caution. Unless you are already familiar with astronomy and basic telescopes, it is not wise to start spending large amounts of money on a we- featured telescope. Such an instrument might otherwise be subsequently abandoned due to a perceived overcomplexity coupled with a waning interest.

The Astrophotography Manual Jul 29 2022 The Astrophotography Manual, Second Edition is for photographers ready to move beyond standard SLR cameras and editing software to create beautiful images of nebulas, galaxies, clusters, and the stars. Beginning with a brief astronomy primer, this book takes readers through the full astrophotography process, from choosing and using equipment to image capture, calibration, and processing. This combination of technical background and hands-on approach brings the science down to earth, with practical methods to ensure success. This second edition now includes: Over 170 pages of new content within 22 new chapters, with 600 full-color illustrations. Covers a wide range of hardware,

including mobile devices, remote control and new technologies. Further insights into leading software, including automation, Sequence Generator Pro and PixInsight Ground-breaking practical chapters on hardware and software as well as alternative astrophotography pursuits

Calibration of Fundamental Stellar Quantities Oct 20 2021 Proceedings of the 111th Symposium of the International Astronomical Union held at Villa Olmo, Como, Italy, May 24-29, 1984

Atlas of Galaxies May 15 2021 New illustrated atlas on modern galaxy classification for astronomy researchers, students, and amateurs.

Imaging the Southern Sky Apr 06 2023 This book is not about imaging from the southern hemisphere, but rather about imaging those areas of the sky that lie south of the celestial equator. Many of the astronomical objects presented are also accessible to northern hemisphere imagers, including those in both the USA and Europe. Imaging the Southern Sky discusses over 150 of the best southern objects to image, including nebulae, galaxies, and planetaries, each one accompanied by a spectacular color image. This book also includes sections on both image capturing and processing techniques and so makes an ideal all-in-one introduction. Furthermore, because it contains an in-depth study of how to capture all the objects, many of which are rarely imaged by amateurs and professionals alike, it is also extremely useful for the more advanced imager.

Discovering Astronomy Mar 13 2021 This is an

extensive revision of the first (and still, only) introductory astronomy text to take a discovery activities'' approach to learning astronomy, encouraging students to be active rather than passive learners. Students use an equipment kit included with the book to construct observing instruments, including a telescope, so they can carry out measurement activities and obtain direct experience in the scientific gathering and analyzing of data. The text is flexible; it is not a lab manual. The equipment kit is available separately; it contains a simple telescope, a cross-staff, quadrant, spectroscope, Ray Box grill, telescope, and diffraction grating. Changes in this new edition include greater adaptability of the text, updated astrophysics, observations from the Voyager mission, discussion of grand unified theories and of the inflationary universe.

Robotic Observatories Dec 10 2020

Narrow-Gap Semiconductors Jun 15 2021

Sky Vistas Aug 18 2021 Praise for Craig Crossen and Gerald Rhemann's, Sky Vistas Astronomy "This is a practical and stunningly beautiful guide whose core is a descriptive tour of the best celestial sights: open and globular clusters, nebulae, galaxies, and large areas of sky. The photos in black and white and color, are magnificent. The text goes beyond ordinary descriptions to tell the reader something about each object's nature." Sky & Telescope "Packed with information that I have encountered nowhere else in amateur-astronomy literature. Sky Vistas also includes 48 full-page

color astrophotos by Gerald Rhemann, most of which are magnificent."

Guide to Imaging the Moon Apr 01 2020

The Astrophotography Manual Nov 20 2021 The Astrophotography Manual is for those photographers who aspire to move beyond using standard SLR cameras and editing software, and who are ready to create beautiful images of nebulas, galaxies, clusters, and the solar system. Beginning with a brief astronomy primer, this book takes readers through the full astrophotography process, from choosing and using equipment through image capture, calibration, and processing. This combination of technical background information and the hands-on approach brings the science down to earth with a practical method to plan for success. Features include: Over 400 images, graphs, and tables to illustrate these concepts A wide range of hardware to be used, including smartphones, tablets, and the latest mount technologies How to utilize a variety of leading software such as Maxim DL, Nebulosity, Sequence Generator Pro, Photoshop, and PixInsight Case studies showing how and when to use certain tools and overcoming technical challenges How sensor performance and light pollution relate to image quality and exposure planning

The Planets May 03 2020 “Might be just the book to bring out your inner astronomer . . . over 250 pages of breathtaking images from the past 50 years of NASA’s space exploration.” —Parade Preface by Bill Nye This magnificent volume offers a

rich visual tour of the planets in our solar system. More than two-hundred breathtaking photographs from the archives of NASA are paired with extended captions detailing the science behind some of our cosmic neighborhood's most extraordinary phenomena. Images of newly discovered areas of Jupiter, fiery volcanoes on Venus, and many more reveal the astronomical marvels of space in engrossing detail. Anyone with an interest in science, astronomy, and the mysteries of the universe will delight in this awe-inspiring guide to the wonders of the solar system. "As you turn through the pages, you're hit with true moments of awe, photos that remind you the power of nature extends beyond our own planet." —Houston Chronicle "Breathtaking pictures show the otherworldly magic of the solar system . . . The images are at once humbling and uplifting: Here in the black void of space is Saturn's frozen moon, Mimas, white and pitted like a galactic golf ball; here is the tiny golden orb called Io, casting a shadow in a perfect inky circle on the marbled surface of Jupiter; here is the great sun, flames spurting from its surface like plumes." —The Wall Street Journal "[A] gorgeous photographic tour of space . . . The collection is a remarkable reminder of how much has been learned about the planets over the past few decades, solving many mysteries yet introducing many more." —Publishers Weekly

Stargazing with Binoculars Jul 05 2020 Reviews for the previous editions: Among the many good books on binocular astronomy, Stargazing with Binoculars

stands out as one of the best. [Scagell and Frydman] pack an amazing amount of information into a volume that's clearly written, entertaining, attractive, and portable. --Sky and Telescope A serious contender for the title of best all-around introduction to binocular astronomy. --Sky and Telescope Stargazing with Binoculars is the ideal guide for newcomers to astronomy. The authors review the range of the latest binoculars on the market and provide advice on features to consider before making a purchase. Then they lead the beginner through the first steps of using binoculars to observe the night sky, describing what will be visible and how to find specific objects. This edition has been thoroughly updated to incorporate the latest binocular technology. Illustrated throughout and packed with handy tips and tricks, the book includes: How binoculars work and what to expect Buying for the first time and upgrading The wide range of binoculars available internationally Using different sizes of binoculars The effects of light pollution Observing the Sun, Moon, planets, comets, asteroids, stars, clusters, variable stars, double stars, novae, nebulae and galaxies Guidance for observing in the city and in the country Glossary of terms. Binoculars are portable and financially accessible, whereas a telescope can be costly and unwieldy. Even binoculars without bells and whistles will give the viewer an exciting look into the night sky. This introduction is the ideal guide in that pursuit.

The Cartel 3: Nov 08 2020 The Cartel has come full

circle with this fast-paced, groundbreaking novel, the finale to the hit series by New York Times bestsellers Ashley & JaQuavis. Miamor is fighting for her life in the belly of the beast. She's been kidnapped, and she's staring death in the eye. Is the reign over for the head of the Murda Mamas? Carter is in federal custody and leaves the Diamond Empire to Zyir and Mecca. When the past comes back to haunt Mecca and the truth finally comes to light, will The Cartel rise or fall? Breeze is in the clutches of the crazed Ma'tee, and she desperately searches for a way out. Will she escape, or die his love slave? The answers to these questions lie inside the pages of Cartel 3: The Final Chapter. Open it to discover the shocking truth, and prepare yourself for the unpredictable conclusion of one of the best street series of all time.

The History of the Devil Feb 09 2021 The History of the Devil (1900) is a philosophical study by Paul Carus. A lifelong Monist, Carus sought to apply a scientific analysis to the principles of humanity's religions. Credited with bridging the gap between Eastern and Western beliefs, Carus believed that the dualism rampant in the West could be replaced in order to establish a more equitable world where difference and diversity would be accepted and nurtured, rather than suppressed. "This world of ours is a world of opposites. There is light and shade, there is heat and cold, there is good and evil, there is God and the Devil. The dualistic conception of nature has been a necessary phase in the evolution in human thought." Recognizing the

need for dualism in the history of humanity, Carus sought to promote the principles of Monism in the West, believing it could lead to a universal worldview capable of uniting East and West. A positivist and pantheist, Carus believed that by pursuing "in religion the same path that science travels, [...] the narrowness of sectarianism [would] develop into a broad cosmical religion which shall be as wide and truly catholic as is science itself." To lay the groundwork for this "cosmical religion," he investigates the figure of the Devil and the historical evolution of the concept of evil, which he saw as predating belief in goodness and God. With a beautifully designed cover and professionally typeset manuscript, this edition of Paul Carus' The History of the Devil is a classic of philosophy reimagined for modern readers.

Inside PixInsight Dec 22 2021 PixInsight has taken the astro-imaging world by storm. As the first comprehensive postprocessing platform to be created by astro-imagers for astro-imagers, it has for many replaced other generic graphics editors as the software of choice. PixInsight has been embraced by professionals such as the James Webb (and Hubble) Space Telescope's science imager Joseph DePasquale and Calar Alto's Vicent Peris, as well as thousands of amateurs around the world. While PixInsight is extremely powerful, very little has been printed on the subject. The first edition of this book broke that mold, offering a comprehensive look into the software's capabilities. This second edition expands on the several new

processes added to the PixInsight platform since that time, detailing and demonstrating each one with a now-expanded workflow. Addressing topics such as PhotometricColorCalibration, Large-Scale Pixel Rejection, LocalNormalization and a host of other functions, this text remains the authoritative guide to PixInsight.

Turn Left at Orion Feb 21 2022 With over 100,000 copies sold since first publication, this is one of the most popular astronomy books of all time. It is a unique guidebook to the night sky, providing all the information you need to observe a whole host of celestial objects. With a new spiral binding, this edition is even easier to use outdoors at the telescope and is the ideal beginner's book. Keeping its distinct one-object-per-spread format, this edition is also designed for Dobsonian telescopes, as well as for smaller reflectors and refractors, and covers Southern hemisphere objects in more detail. Large-format eyepiece views, positioned side-by-side, show objects exactly as they are seen through a telescope, and with improved directions, updated tables of astronomical information and an expanded night-by-night Moon section, it has never been easier to explore the night sky on your own. Many additional resources are available on the accompanying website, www.cambridge.org/turnleft.

Star Testing Astronomical Telescopes Sep 18 2021

On Photography Mar 01 2020 Walter Benjamin's 1931 essay "A Short History of Photography" is a landmark in the understanding and criticism of the

medium, offering surprising new takes on such photographic pioneers as David Octavius Hill and Nicéphore Niépce and their aesthetic and technical achievements. On Photography presents a new translation of that essay along with a number of other writings by Benjamin, some of them presented in English for the first time. Translator and editor Esther Leslie sets Benjamin's work in context with prefaces to each piece and contributes a substantial introduction that considers Benjamin's engagement with photography in all its forms, including early commercial studio photography, the uses of photography in science, and much more.

How We See the Sky Jun 03 2020 Gazing up at the heavens from our backyards or a nearby field, most of us see an undifferentiated mess of stars—if, that is, we can see anything at all through the glow of light pollution. Today's casual observer knows far less about the sky than did our ancestors, who depended on the sun and the moon to tell them the time and on the stars to guide them through the seas. Nowadays, we don't need the sky, which is good, because we've made it far less accessible, hiding it behind the skyscrapers and the excessive artificial light of our cities. How We See the Sky gives us back our knowledge of the sky, offering a fascinating overview of what can be seen there without the aid of a telescope. Thomas Hockey begins by scanning the horizon, explaining how the visible universe rotates through this horizon as night turns to day and season to season.

Subsequent chapters explore the sun's and moon's respective motions through the celestial globe, as well as the appearance of solstices, eclipses, and planets, and how these are accounted for in different kinds of calendars. In every chapter, Hockey introduces the common vocabulary of today's astronomers, uses examples past and present to explain them, and provides conceptual tools to help newcomers understand the topics he discusses. Packed with illustrations and enlivened by historical anecdotes and literary references, How We See the Sky reacquaints us with the wonders to be found in our own backyards.

The NexStar User's Guide II Mar 25 2022 Michael Swanson's online discussions with literally thousands of NexStar owners made it clear that there was a desperate need for a book such as this – one that provides a complete, detailed guide to buying, using and maintaining NexStar telescopes. Although this book is highly comprehensive, it is suitable for beginners – there is a chapter on "Astronomy Basics" – and experts alike. Celestron's NexStar telescopes were introduced in 1999, beginning with their first computer controlled "go to" model, a 5-inch. More models appeared in quick succession, and Celestron's new range made it one of the two dominant manufacturers of affordable "go to" telescopes.

The 100 Best Astrophotography Targets Sep 06 2020 Any amateur astronomer who is interested in astrophotography, particularly if just getting started, needs to know what objects are best for

imaging in each month of the year. These are not necessarily the same objects that are the most spectacular or intriguing visually. The camera reveals different things and has different requirements. What objects in the sky tonight are large enough, bright enough, and high enough to be photographed? This book reveals, for each month of the year, the choicest celestial treasures within the reach of a commercial CCD camera. Helpful hints and advice on framing, exposures, and filters are included. Each deep sky object is explained in beautiful detail, so that observers will gain a richer understanding of these astronomical objects. This is not a book that dwells on the technology of CCD, Webcam, wet, or other types of astrophotography. Neither is it a book about in-depth computer processing of the images (although this topic is included). Detailed discussions of these topics can be found in other publications. This book focuses on what northern latitude objects to image at any given time of the year to get the most spectacular results.

Astro-Imaging Projects for Amateur Astronomers

May 07 2023 This is the must-have guide for all amateur astronomers who double as makers, doers, tinkerers, problem-solvers, and inventors. In a world where an amateur astronomy habit can easily run into the many thousands of dollars, it is still possible for practitioners to get high-quality results and equipment on a budget by utilizing DIY techniques. Surprisingly, it's not that hard to modify existing equipment to get new and improved

usability from older or outdated technology, creating an end result that can outshine the pricey higher-end tools. All it takes is some elbow grease, a creative and open mind and the help of Chung's hard-won knowledge on building and modifying telescopes and cameras. With this book, it is possible for readers to improve their craft, making their equipment more user friendly. The tools are at hand, and the advice on how to do it is here. Readers will discover a comprehensive presentation of astronomical projects that any amateur on any budget can replicate – projects that utilize leading edge technology and techniques sure to invigorate the experts and elevate the less experienced. As the "maker" community continues to expand, it has wonderful things to offer amateur astronomers with a willingness to get their hands dirty. Tweaking observing and imaging equipment so that it serves a custom purpose can take your observing options to the next level, while being fun to boot.

Pocket Genius: Cats Jul 17 2021 Find out about more than 70 cat breeds, including their origins and characteristics, in this pocket-sized encyclopedia. This cat-alogue packs a whole lot of information into your pocket! Along with a photo of each breed, discover the facts and stats of each cat, including its size, where the breed originated, colors and markings, and unusual features or behaviors. You'll soon be able to tell apart a Burmese from a Siamese; a rex from a sphynx and a manx; and an American shorthair from a British shorthair. You will also discover a lot about colors and patterns. Did

you know that tabby cats and tortoiseshells are not breeds, but colors within breeds? Plus there are pages introducing cat anatomy and behavior; and the book finishes with fun facts. The style of the Pocket Eyewitness series is perfect for all children, from reluctant readers who can easily digest the key points through to budding vets and cat-lovers who want to know more about the best pets on the planet. Cats with facts: what more could anyone want?

Using Sequence Generator Pro and Friends Aug 30 2022 This guide is specifically aimed at those who are using—or want to use—Sequence Generator Pro. SGP is a "session management" software package that controls the telescope, mount, camera, and ancillary equipment to target and secure images during a night of imaging astronomical objects. The book begins with a special tutorial to get up and running with SGP. With a comprehensive reference section, it takes the user in detail through the various aspects of user and equipment profiles, equipment definitions, the sequencer, and other essential elements of SGP. Finally, it focuses on how to get the most out of the ancillary programs—target databases, autoguiders, plate solvers, planetarium software, and other applications. Oftentimes, technical guides can end up being far denser than the processes they intend to explain. Many of the insights provided by SGP expert Alex McConahay are beyond what can be found in the official program documentation. In this book, the reader will find in-depth, yet

straightforward practical advice on how to automate nightly astroimaging sessions with Sequence Generator Pro.

CPHIMS Review Guide Jan 11 2021 Whether you're taking the CPHIMS exam, or simply want the most current and comprehensive overview in healthcare information and management systems today - this completely revised and updated third edition has it all. But for those preparing for the CPHIMS exam, this book is an ideal study partner. The content reflects the exam content outline covering healthcare and technology environments; systems analysis, design, selection, implementation, support, maintenance, testing, evaluation, privacy and security; and administration leadership management. Candidates can challenge themselves with the sample multiple choice questions at the end of the book.

Astronomical Spectroscopy for Amateurs Apr 25 2022 Astronomical Spectroscopy for Amateurs is a complete guide for amateur astronomers who are looking for a new challenge. After a brief overview of the development of spectroscopes and an introduction to the theory of stellar spectra, the book goes on to examine the various types of spectroscopes available to amateurs. Next, practical sections address all aspects of setting-up and using various types of commercially-available and home-built spectroscopes. A final part gives detailed instructions for the design and construction of three different spectroscopes, along with the necessary design theory (minimal math).

The home-made spectroscopes have performance capabilities near or equal to commercial units but are constructed using basic hand tools for a fraction of the cost! This up-to-date practical spectroscopy book will enable amateur astronomers to develop the skills and equipment needed to prepare scientifically acceptable spectra data, and to make a valuable contribution to ProAm projects.

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