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Double Star Observing and Measuring Visual Double Stars Double & Multiple Stars, and How to Observe Them Double Stars for Small Telescopes Observing Visual Double Stars An Anthology of Visual Double Stars The Cambridge Double Star Atlas Properties of Double Stars A General Catalogue of 1290 Double Stars Discovered from 1871 to 1899 by S.W. Burnham A General Catalogue of Double Stars Within 121° of the North Pole, Part 1 Discover the Stars Double Stars An Introduction to Close Binary Stars Light Curve Modeling of Eclipsing Binary Stars The Binary Stars Discovering Double Stars Celestial Harvest Physics of Binary Star Evolution Double Star Outlines of Astronomy Mastering Bash Catalogue of Double Stars from Observations Made at the Royal Observatory, Greenwich General Catalogue of 1290 Double Stars Making Stars Physical Measures of Double Stars in 1898... - Primary Source Edition Observations of Double Stars (Classic Reprint) The Cambridge Double Star Atlas Double the Stars The Effect The Two Stars Collision The Binary Stars The Burning Light of Two Stars DeJanna of the Double Star The ShortTube 80 Telescope Bending the Universe The Natural Navigator The Bedford catalogue The Witness of the

Stars Theoretical Astrophysics: Volume 2, Stars and Stellar Systems A General Catalogue of Double Stars Within 121° of the North Pole, Vol. 1 (Classic Reprint)

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in the two decades since the development of the first eclipsing binary modeling code new analytic techniques and the availability of powerful sometimes dedicated computing facilities have made possible vastly improved determinations of fundamental and even transient stellar parameters the scale of these developments of course raises questions about modeling tools techniques and philosophies such as who will maintain and upgrade the codes will the codes be open to improvement by outsiders and if so how and

indeed what should be the goals of a modeling program such questions had not been aired for a long time and for this reason alone deserved to be discussed in as general a forum as the community provides this volume contains material presented by commission 42 close binary stars during the international astronomical union s xxi general assembly in argentina july 1991 and during iau colloquium 151 cordoba argentina august 1991 the techniques discussed include simulations of stellar bright and dark spots streams partial and complete stellar disks prominences and other features characterizing active stars modeling of polarization parameters models that use radial velocities as well as line profile simulations to model velocity field variation across stellar disks the weighted effects of brightness asymmetries and models for translucent eclipsing agents such as stellar winds binary systems of stars are as common as single stars they are of fundamental importance because they allow stellar masses radii and luminosities to be measured directly and explain a host of diverse and energetic phenomena including x ray binaries cataclysmic variables novae symbiotic stars and some types of supernovae this 2001 book was the first to provide a pedagogical and comprehensive introduction to binary stars it combines theory and observations at all wavelengths to develop a unified understanding of binaries of all categories it

comprehensively reviews methods for calculating orbits the roche model ideas about mass exchange and loss methods for analysing light curves the masses and dimensions of different binary systems and imaging the surfaces of stars and accretion structures this book provides a thorough introduction to the subject for advanced undergraduate and graduate students researchers will also find this to be an authoritative reference when an adorable force meets an irresistible object they might just fall in love miles studies astrophysics check loves star wars check still a virgin at twenty one with zero experience in real life double check i didn t want any fanfare around my twenty first birthday but when a series of unfortunate accidents confirming ramsey s rules of randomness takes place right in front of my eyes i find myself dancing with the hottest most popular jock on campus liam makes me feel special he makes this night one to remember he becomes the very first boy i ever kissed except it s all a charade he s just making his crazy ex girlfriend crazier and i m happy to play along call it a kissing practice but when the door is closed and his ex isn t around to see us are we still faking it or are we the crazy ones liam am i going through one helluva breakup yes i am am i coping with it by dancing with the first guy who accidentally pissed my ex off you bet i am hayley and i were supposed to spend our lives together well that was the plan until she changed the plan she

s now hooking up with some random caveman and i ll be damned if i m just going to stand here and watch oops the nerd just kissed me and you can bet your life i kissed him back now she knows what it feels like and i discover it feels way better than i expected the two stars collision is the third book in the college boys of new haven series but it fully works as a standalone if this is your first encounter with the series feel free to start here you will find a nerd jock pair opposites attract gay for you and a happily ever after part of the exclusive new caezik notable line of books many of heinlein s fans consider the novels he wrote in the fifties amongst the author s strongest work when he was at the peak of his talents double star is considered by many to be the finest of his titles brian aldiss called it his most enjoyable novel whether it is the simplicity of a lively tale the complexity of the situation or the depth of characterization the book has developed a loyal following it also won heinlein his first hugo the story revolves around lawrence smith also known as lorenzo the great a down and out actor wasting the remainder of his life in bars when he encounters a space pilot who offers him a drink before he knows what is going on he is on mars involved in a deep conspiracy with global consequences he is given a mission where failure would not only mean his own death it would almost certainly mean an all out planetary war heinlein s novels of the 1940s and 50s shaped every single science

fiction writer of my generation and everyone currently writing science fiction or making science fiction movies and double star is an excellent example of all the reasons why connie willis caezik notables is a new line of science fiction and fantasy titles that have had a significant impact on their respective genre each book has a unique place in the development of speculative fiction every title published under the caezik notables line will have a matching cover set and will carry an introduction by an expert in the field a graduate level textbook on the astrophysics of binary star systems and their evolution physics of binary star evolution is an up to date textbook on the astrophysics and evolution of binary star systems theoretical astrophysicists thomas tauris and edward van den heuvel cover a wide range of phenomena and processes including mass transfer and ejection common envelopes novae and supernovae x ray binaries millisecond radio pulsars and gravitational wave gw sources and their links to stellar evolution the authors walk through the observed properties and evolution of different types of binaries with special emphasis on those containing compact objects neutron stars black holes and white dwarfs attention is given to the formation mechanisms of gw sources merging double neutron stars and black holes as well as ultra compact gw binaries hosting white dwarfs and to the progenitors of these sources and how they are observed with radio telescopes

x ray satellites and gw detectors ligo virgo kagra einstein telescope cosmic explorer and lisa supported by illustrations equations and exercises physics of binary star evolution combines theory and observations to guide readers through the wonders of a field that will play a central role in modern astrophysics for decades to come 465 equations 47 tables and 350 figures more than 80 exercises analytical numerical and computational over 2 500 extensive up to date references written specially for practical amateur astronomers who not only want to observe but want to know and understand the details of exactly what they are looking at presents an up to date detailed description of the objects their physics and their evolution part one and then part two to consider how to observe and record them successfully delivers a wealth of information for all levels of amateur observers from the beginner to the experienced it is equally fascinating for practical astronomers and also for those who simply want to find out more about these unusual star systems bending the universe immerses readers in the beautifully brutally honest poetry of justin wetch an idealist disguised as a pessimist organized into five sections society love life personal and nature this collection explores everything from diversity to body image heartbreak to politics poems spring from each page in a voice that s almost audible and always thought provoking some years ago it was my privilege to

enjoy the acquaintance of miss frances rolleston of keswick and to carry on a correspondence with her with respect to her work mazzaroth or the constellations she was the first to create an interest in this important subject since then dr seiss of philadelphia has endeavoured to popularize her work on the other side of the atlantic and brief references have been made to the subject in such books as moses and geology by dr kinns and in primeval man but it was felt for many reasons that it was desirable to make another effort to set forth in a more complete form the witness of the stars to prophetic truth so necessary in these last days to the late miss rolleston however belongs the honour of collecting a mass of information bearing on this subject but published as it was chiefly in the form of notes unarranged and unindexed it was suited only for but was most valuable to the student she it was who performed the drudgery of collecting the facts presented by al-buhārī the arab astronomer to the caliphs of grenada 850 a d and the tables drawn up by ulugh beigh the tartar prince and astronomer about 1650 a d who gives the arabian astronomy as it had come down from the earliest times modern astronomers have preserved and still have in common use the ancient names of over a hundred of the principal stars which have been handed down but now these names are used merely as a convenience and without any reference to their significance this work is an

attempt to popularize this ancient information and to use it in the interests of truth for the ancient astronomical facts and the names with their signification i am from the very nature of the case indebted of course to all who have preserved collected and handed them down but for their interpretation i am alone responsible it is for the readers to judge how far my conclusions are borne out by the evidence and how far the foundation of our hopes of coming glory are strengthened by the prophecies which have been written in the stars of heaven as well as in the scriptures of truth observing visual double stars written by an astronomer who has discovered almost 2 000 of them opens the way to amateur astronomers who wish to make a direct and real contribution to science through their avocation double or binary stars pairs of stars that revolve around one another were once thought to be rare anomalies among the vast number of normal isolated stars like our sun now however it is believed that many if not most stars are mated in binary systems the visual binaries are those whose component stars are rather distant from each other and require decades or even centuries to complete their orbits few professional astronomers devote their time to making the observations needed over these extended periods to determine the characteristics of even a small sample of these systems thus if any sizable number of double stars are to be closely

scrutinized their periodic variations plotted and their orbits and masses calculated the host of amateur astronomers will have to come to the aid of the professionals by making patient systematic night after night year after year recorded observations observing visual double stars is designed to train amateurs to become such lookouts after a historical account of the discovery of binaries from the sighting of the first in 1650 through the work of the herschels and the struves in the eighteenth and nineteenth centuries to the present the author describes the various classes of telescopes and other instruments and the relevant optical principles this is followed by practical advice on how to use this apparatus to identify double stars and measure their variations over time the heart of the book and its technically most advanced section presents the mathematical techniques that will allow the observer to calculate orbits and masses from the variables that have been measured a chapter entitled voyage to the country of double stars describes a binary system as it might appear to an observer within it the book also explains the use of star catalogues and presents its own catalogue of 744 double stars accessible to the amateur observer this authoritative textbook the second volume of a comprehensive three volume course on theoretical astrophysics deals with stellar physics designed to help graduate students and researchers develop an

understanding of the key physical processes governing stars and stellar systems it teaches the fundamentals and then builds on them to give the reader an in depth understanding of advanced topics the book's modular design allows the chapters to be approached individually yet seamless transitions create a coherent and connected whole it can be used alone or in conjunction with volume i which covers a wide range of astrophysical processes and the forthcoming volume iii on galaxies and cosmology after reviewing the key observational results and nomenclature used in stellar astronomy the book develops a solid understanding of central concepts including stellar structure and evolution the physics of stellar remnants pulsars binary stars the sun and planetary systems interstellar medium and globular clusters throughout the reader's comprehension is developed and tested with more than seventy five exercises this indispensable volume provides graduate students with a self contained introduction to stellar physics and will allow them to master the material sufficiently to read and engage in research with heightened understanding the second edition of observing and measuring visual double stars 2004 is the definitive book for those who are serious about this fascinating aspect of astronomy it deals with equipment you can start modestly with commercial or even home made instruments observing methods using binoculars upwards to

advanced instrumentation and techniques including speckle interferometry the astronomy of double stars including orbital calculation is given its own section this second edition of this popular book contains a significant amount of completely new material inspired by the work done by observers particularly in the usa since the first edition was published this includes the use of the internet to carry out astrometry precise astronomical measurement using existing survey plates and films the new edition contains an excellent guide to sketching double stars a topic not previously covered in addition there is information about how to image double stars of unequal brightness always a difficult matter but now somewhat easier because of advances in hardware and image processing software nearly all of the chapters and tables have been updated the cd rom that accompanied the first edition of observing and measuring visual double stars is replaced by access to the springer extras web site the extra information includes the complete washington double star and tycho 2 catalogs there is an extensive database of astrometric double and multiple star formation including positions orbits separations and magnitudes and a software suite that implements many of the calculations and equations featured in the book modern telescopes of even modest aperture can show thousands of double stars many are faint and unremarkable but

hundreds are worth searching out veteran double star observer bob argyle and his co authors take a close up look at their selection of 175 of the night sky's most interesting double and multiple stars the history of each system is laid out from the original discovery to what we know at the present time about the stars wide field finder charts are presented for each system along with plots of the apparent orbits and predicted future positions for the orbital systems recent measurements of each system are included which will help you to decide whether they can be seen in your telescope as well as giving advice on the aperture needed double star observers of all levels of experience will treasure the level of detail in this guide to these jewels of the night sky this riveting memoir by laura davis the author of the courage to heal examines the endurance of mother daughter love how memory protects and betrays us and the determination it takes to fulfill a promise when ghosts from the past come knocking when she published the courage to heal in 1988 laura davis helped more than a million women work through the trauma of childhood sexual abuse but her decision to go public with her grandfather's incest deepened an already painful estrangement with her mother temme over the next twenty years from a safe distance of three thousand miles laura and temme reconciled their volatile relationship and believed that their difficult past was behind them but when temme moves



across the country to entrust her daughter with the rest of her life she brings a faltering mind a fierce need for independence and the seeds of a second war between them as the stresses of caregiving rekindle laura s rage over past betrayals they threaten her intention to finally love her mother without reservation will she learn what it means to be truly openhearted before it s too late this catalog of double stars is among the most comprehensive ever printed with over 2 100 star pairings listed with coordinates color and interesting information about every pair double stars for small telescopes is an essential addition to the library of every astronomy enthusiast 248 pages 8 1 2 x 11 inches softcover this book is an astronomical catalog of double stars located within 121 degrees of the north pole sherburne wesley burnham created the catalog using observational data obtained with various telescopes the book is a valuable resource for astronomers interested in binary star systems this work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it this work is in the public domain in the united states of america and possibly other nations within the united states you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work scholars believe and we concur that this work is important enough to be preserved reproduced and

made generally available to the public we appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant making stars physical offers the first extensive look at the astronomical career of john herschel son of william herschel and one of the leading scientific figures in britain throughout much of the nineteenth century herschel s astronomical career is usually relegated to a continuation of his father william s sweeps for nebulae however as stephen case argues john herschel was pivotal in establishing the sidereal revolution his father had begun a shift of attention from the planetary system to the study of nebulous regions in the heavens and speculations on the nature of the milky way and the sun s position within it through john herschel s astronomical career in particular his work on constellation reform double stars and variable stars the study of stellar objects became part of mainstream astronomy he leveraged his mathematical expertise and his position within the scientific community to make sidereal astronomy accessible even to casual observers allowing amateurs to make useful observations that could contribute to theories on the nature of stars with this book case shows how herschel s work made the stars physical and laid the foundations for modern astrophysics discovering double stars helps you to find and learn about 300 of the best double stars visible

to northern hemisphere observers this book is specifically for those living in the glare of urban sprawls where all but the brightest stars are lost to light pollution overview charts tailored to light polluted skies show the general position of the doubles while generously proportioned detail charts show the precise star patterns around the doubles themselves enabling an observer to locate the stars through a finder scope cross references to the sao hip and gaia dr2 catalogs are provided for the doubles excerpt from observations of double stars the methods of observing set forth in vol vi have in general been adopted for the present work but with the following modifications about the publisher forgotten books publishes hundreds of thousands of rare and classic books find more at forgottenbooks.com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy in rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works this book is a volume in the penn press anniversary collection to mark its 125th anniversary in 2015 the university of pennsylvania

press rereleased more than 100 titles from penn press s distinguished backlist from 1899 1999 that had fallen out of print spanning an entire century the anniversary collection offers peer reviewed scholarship in a wide range of subject areas from the new york times bestselling author of the secret world of weather and the lost art of reading nature s signs learn to tap into nature and notice the hidden clues all around you before gps before the compass and even before cartography humankind was navigating now this singular guide helps us rediscover what our ancestors long understood that a windswept tree the depth of a puddle or a trill of birdsong can help us find our way if we know what to look and listen for adventurer and navigation expert tristan gooley unlocks the directional clues hidden in the sun moon stars clouds weather patterns lengthening shadows changing tides plant growth and the habits of wildlife rich with navigational anecdotes collected across ages continents and cultures the natural navigator will help keep you on course and open your eyes to the wonders large and small of the natural world the cambridge double star atlas is back it is the first and only atlas of physical double stars that can be viewed with amateur astronomical instruments completely rewritten this new edition explains the latest research into double stars and looks at the equipment techniques and opportunities that will enable you to discover observe and

measure them the target list has been completely revised and extended to 2500 binary or multiple systems each system is described with the most recent and accurate data from the authoritative washington double star catalog including the hd and sao numbers that are most useful in our digital age hundreds of remarks explain the attributes of local rapidly changing often measured or known orbital systems the color atlas charts by wil tirion have been updated to help you easily find and identify the target systems as well as other deep sky objects this is an essential reference for double star observers an accessible informative guide to identifying constellations and other incredible features of the sky whether you re hiking camping or stargazing from your backyard discover the stars leads you on a tour of all the stars and constellations visible with the naked eye and introduces you to deep sky objects that can be seen with binoculars or a simple telescope the tour is conducted by the editor of astronomy magazine richard berry whose two color computer plotted sky maps and clear instructions make stargazing fun and productive from your first night out the heart of discover the stars is two sections of big beautiful sky maps and charts the first section features twelve maps that show the entire sky overhead as it appears during each month of the year these outline all the constellations visible anywhere in the northern hemisphere and the accompanying text reveals the

rich ancient mythology that surrounds the star groups the second section is made up of twenty three star charts that depict smaller regions of the sky in great detail these charts give the names of key stars and lead you to fascinating features such as stars with unusual colors double stars variable stars nebulae and galaxies separate chapters cover basics such as how the stars move through the sky how to find your way around the moon and the planets making an astronomer s flashlight and choosing and using a telescope all in terms that are easy to grasp and remember discover the stars is the perfect introduction to the heavens simple enough to be useful if you re just starting out but packed with enough information to keep you learning and enjoying the stars for years to come excerpt from general catalogue of 1290 double stars discovered from 1871 to 1899 by s w burnham arranged in order of right ascension with all the micrometrical measures of each pair second catalogue b 82 to monthly notices of the royal astronomical society xxxiii 437 may discovered with the 6 inch refractor third catalogue b 107 to monthly notices of the royal astronomical society xxxiv 59 december discovered with the 6 inch refractor fourth catalogue 183 to monthly notices of the royal astronomical society xxxv 382 june discovered with the 6 inch refractor about the publisher forgotten books publishes hundreds of thousands of rare

and classic books find more at forgottenbooks.com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work whilst repairing imperfections present in the aged copy in rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works dejanna the great granddaughter of her planet's most beautiful woman and her world's earth man overlord is stolen by a rejected suitor pregnant she is stranded alone in the wilderness with only her wits to save her from the planet's savage beasts and nomadic warriors while she seeks safety her husband searches the dangerous swamps for his wife and unborn child their quests put them both on a collision course with the most dangerous and warlike creatures on the planet the savage sarapou tribe of zirkas a race of gigantic and sentient insectoid beings whose thirst for power and blood is never satisfied dejanna must overcome her privileged upbringing and embrace the warrior blood that is her birthright to save herself and her child welcome to the first comprehensive guide to one of the world's most popular telescopes the shorttube 80 refractor with its ultra portability versatility and

relatively low cost this telescope continues to delight generations of stargazers starting in the field under a dark sky the author walks the reader through a typical evening of stargazing where the shorttube 80 brings many astronomical treasures into focus from there he provides an in depth account of the optical properties of the shorttube 80 refractor and the accessories and mounting arrangements that maximize its potential both as a spotting scope by day and an astronomical scope by night the main text discusses how the versatile shorttube 80 can be used to study deep sky objects the sun the moon bright planets and even high resolution projects where the instrument's features can be optimized for the observation of tight double and multiple stars it explores how the shorttube 80 can image targets using camera phones dsrls and dedicated astronomical ccd imagers packed with practical advice gained from years of firsthand stargazing experience this book demonstrates exactly why shorttube 80 has remained a firm favorite among amateur astronomers for over three decades and why it is likely to remain popular for many years to come the effect an introduction to research design and causality is about research design specifically concerning research that uses observational data to make a causal inference it is separated into two halves each with different approaches to that subject the first half goes through the concepts of causality with very little in the

way of estimation it introduces the concept of identification thoroughly and clearly and discusses it as a process of trying to isolate variation that has a causal interpretation subjects include heavy emphasis on data generating processes and causal diagrams concepts are demonstrated with a heavy emphasis on graphical intuition and the question of what we do to data when we add a control variable what does that actually do key features extensive code examples in r stata and python chapters on overlooked topics in econometrics classes heterogeneous treatment effects simulation and power analysis new cutting edge methods and uncomfortable ignored assumptions an easy to read conversational tone up to date coverage of methods with fast moving literatures like difference in differences a novel based on the lifestory of caroline herschel 1750 1848 a woman of german descent who moved to england in her early twenties becoming a singer in high society bath caroline supported her brother william when he was appointed court astronomer to king george iii she took an interest in his studies and herself became an astronomer of significance magnificent atlas of double and multiple stars for viewing with binoculars and telescopes a must have for stargazers this is a reproduction of a book published before 1923 this book may have occasional imperfections such as missing or blurred pages poor pictures errant marks etc that were either part of the original



artifact or were introduced by the scanning process we believe this work is culturally important and despite the imperfections have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide we appreciate your understanding of the imperfections in the preservation process and hope you enjoy this valuable book the below data was compiled from various identification fields in the bibliographic record of this title this data is provided as an additional tool in helping to ensure edition identification measures of double stars in 1898 robert grant aitken druck von c schaidt 1899 science astronomy double stars science astronomy science astrophysics space science excerpt from a general catalogue of double stars within 121 of the north pole vol 1 there is another class of double stars principally from the observations of comparatively modern observers where no attempt seems to have been made beyond perhaps reading the coarse circles of the equatorial to identify the star or give the exact place as many as possible of these stars have been identified others are not in or very near the given places and still others obviously have large and uncertain errors of place which will make their identification hereafter a matter of accident or good luck there seemed to be no object to be gained by giving the right ascensions any closer than the nearest whole second of time since as a matter of fact a large

number of these stars have a much greater uncertainty in place from the lack of meridian positions and from the lack of knowledge of their proper motions and to give the right ascensions to small fractions of a second would imply an accuracy which would be unwarranted by the material at hand this is also true generally of the declinations while perhaps for a greater part of the stars the nearest tenth of a minute of arc might have been given it would have had no significance in the case of several thousand stars and in any event would not have made the catalogue any more useful for any conceivable purpose practical or otherwise in any investigation concerning the proper motion or the exact place of the star the original catalogues of position will of course be consulted all of the stars are north of the equator unless otherwise indicated by the minus sign attached to the degrees of declination the advantage of the omission of the plus sign for the northern stars in rapidly finding any star either north or south will be apparent to those who have had to do this frequently in catalogues where all the signs are given about the publisher forgotten books publishes hundreds of thousands of rare and classic books find more at forgottenbooks.com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy in

rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works this book describes over 300 celestial wonders that can be viewed with common binoculars and low power backyard telescopes incorporating refractors and reflectors in addition to such showpieces as the andromeda galaxy the largest and brightest of all galaxies after the milky way and the blue snowball one of the autumn sky's outstanding planetary nebulas over 20 other special objects are listed and characterized many of which are visible to the unaided eye on a dark clear night the sun moon venus mars jupiter saturn and other members of the earth's solar system are also described as are such bright asteroids as ceres juno and vesta open star clusters diffuse nebulas supernova remnants spiral galaxies elliptical galaxies and a host of other astronomical phenomena an abbreviated descriptive format is used to accommodate as much information on observation as possible for both field and armchair use when cepheus a dark god forces seventeen year old ally ashworth off an isolated overlook she has no idea she's falling into his world or that the necklace she's wearing is actually a key one with the power to ignite the next world war but she's carried beyond

his reach and into the one place where he's powerless the forest of gilgamesh ally's never been miss popularity but her outsider status takes on new meaning when she's rescued by liam cheveyo and his peculiar friends after seeing them shape shift into their freaky animal counterparts ally smacks hard into a few truths magic really does exist and although getting there took no effort finding her way back might be impossible feelings between her and liam begin to grow along with the realization that in this world she's stronger and better until she's caught in a trap set by the creepy spider boy cepheus sends to retrieve her but ally's not going down without a fight not after learning the horrible truth about the passageways the survival of both worlds depends on it your one stop guide to making the most out of bash programming about this book from roots to leaves learn how to program in bash and automate daily tasks pouring some spice in your scripts daemonize a script and make a real service of it ensuring it's available at any time to process user fed data or commands this book provides functional examples that show you practical applications of commands who this book is for

if you're a power user or system administrator involved in writing bash scripts to automate tasks then this book is for you this book is also ideal for advanced users who are engaged in complex daily tasks what you will learn understand bash right from the basics and progress to an advanced level customise your environment and automate system routine tasks write structured scripts and create a command line interface for your scripts understand arrays menus and functions securely execute remote commands using ssh write nagios plugins to automate your infrastructure checks interact with web services and a slack notification script find out how to execute subshells and take advantage of parallelism explore inter process communication and write your own daemon in detail system administration is an everyday effort that involves a lot of tedious tasks and devious pits knowing your environment is the key to unleashing the most powerful solution that will make your life easy as an administrator and show you the path to new heights bash is your swiss army knife to set up your working or home environment as you want when you want this book will enable

you to customize your system step by step making your own real virtual home out of it the journey will take you swiftly through the basis of the shell programming in bash to more interesting and challenging tasks you will be introduced to one of the most famous open source monitoring systems nagios and write complex programs with it in any languages you'll see how to perform checks on your sites and applications moving on you'll discover how to write your own daemons so you can create your services and take advantage of inter process communication to let your scripts talk to each other so despite these being everyday tasks you'll have a lot of fun on the way by the end of the book you will have gained advanced knowledge of bash that will help you automate routine tasks and manage your systems style and approach this book presents step by step instructions and expert advice on working with bash and writing scripts starting from the basics this book serves as a reference manual where you can find handy solutions and advice to make your scripts flexible and powerful a young adult biography of british astronomer caroline herschel