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Al-Kāshī's Geographical
Table

E. S. KENNEDY

and

M.-H. KENNEDY

Al Kashis Geographical Tables

Hunt Janin



Al Kashis Geographical Tables:

Al-Kashi's Geographical Tables E. S. Kennedy, M.H. Kennedy, 1987 Jamshid Ghyath al Din al Kashi fl 1420 a native of central Iran worked at the Samarqand observatory of Sultan Ulugh Beg grandson of Tamerlane Kashi is best known as a virtuoso of computational mathematics but he was also a competent astronomer Among his major works is the *Zij i Khaqani* an astronomical handbook written in Persian The *zij* contains a list giving the latitudes The Table Analysis of the Table Bibliography Illustrations *Al-Kāshī's Geographical Table* Edward Stewart Kennedy, Jamshīd ibn Mas'ūd Kāshī, M. H. Kennedy, 1987 Jamshid Ghyath al Din al Kashi fl 1420 a native of central Iran worked at the Samarqand observatory of Sultan Ulugh Beg grandson of Tamerlane Kashi is best known as a virtuoso of computational mathematics but he was also a competent astronomer Among his major works is the *Zij i Khaqani* an astronomical handbook written in Persian The *zij* contains a list giving the latitudes The Table Analysis of the Table Bibliography Illustrations World-maps for Finding the Direction and Distance to Mecca David King, 2021-09-06 Two remarkable Iranian world maps were discovered in 1989 and 1995 Both are made of brass and date from 17th century Iran Mecca is at the centre and a highly sophisticated longitude and latitude grid enables the user to determine the direction and distance to Mecca for anywhere in the world between Andalusia and China Prior to the discovery of these maps it was thought that such cartographic grids were conceived in Europe ca 1910 This richly illustrated book presents an overview of the ways in which Muslims over the centuries have determined the sacred direction towards Mecca qibla and then describes the two world maps in detail The author shows that the geographical data derives from a 15th century Central Asian source and that the mathematics underlying the grid was developed in 9th century Baghdad *Quests of the Dragon and Bird Clan* Paul Kekai Manansala, 2006-10-01 *Quests of the Dragon and Bird Clan* examines how the seafaring trading people known as the Nusantara from Insular Southeast Asia influenced world history This is a book based on a weblog blog The decision to publish the book came after requests to make the information in the blog available in an easier to read and more portable format The advantage of the printed work is that the blog entries are arranged in easy to manage chronological order with out the need for the clicking through the blog archives The glossary entries are also in alphabetical order for easy look up and a word index and table of contents further increase the readability of the blog book Important supplementary articles have also been included in the appendices A must read for those who think there is more to history than what we find in mainstream publications *Proceedings, American Philosophical Society (vol. 132, No. 4, 1988)* , Proceedings, American Philosophical Society (vol. 133, No. 1, 1989) , Bibliography of Agriculture with Subject Index , 1988-10 **The Formation of Al-Andalus: Language, religion, culture, and the sciences** Manuela Marín, Julio Samsó, María Isabel Fierro, 1998 This volume collects articles addressing the formation of an Andalusí linguistic religious and cultural identity that reflects the complexity of a medieval society on the borders of Islam and Christendom the background against which other developments including the emergence

of a sophisticated Andalusī scientific tradition must be assessed Twenty one essays discuss language and religion intellectual and artistic developments and the exact and natural sciences Annotation copyrighted by Book News Inc Portland OR

On the Contents and Significance of the Khāqānī Zīj by Jamshīd Ghiyāth Al-Dīn Al-Kāshī Edward Stewart Kennedy,1998

In Synchrony with the Heavens, Volume 2 Instruments of Mass Calculation David King,2005-06-01 This is the first investigation of one of the main interests of astronomy in Islamic civilization namely timekeeping by the sun and stars and the regulation of the astronomically defined times of Muslim prayer The study is based on over 500 medieval astronomical manuscripts first identified by the author now preserved in libraries all over the world and originally from the entire Islamic world from the Maghrib to Central Asia and the Yemen The materials presented provide new insights into the early development of the prayer ritual in Islam They also call into question the popular notion that religion could not inspire serious scientific activity Only one of the hundreds of astronomical tables discussed here was known in medieval Europe which is one reason why the entire corpus has remained unknown until the present A second volume also to be published by Brill deals with astronomical instruments for timekeeping and other computing devices

Astronomy in the Service of Islam David A. King,2024-12-11

Based on a wide variety of previously unstudied sources these articles explain how science was applied to three aspects of Islamic ritual in the Middle Ages the regulation of the lunar calendar the organisation of the times of the five daily prayers and the determination of the sacred direction qibla towards the Kaaba in Mecca Simple procedures of folk astronomy were used by the scholars of religious law who determined popular practice more complicated mathematical methods were provided by the scientists and this proved a powerful incentive for the development of scientific analysis and research Some of these procedures were to have far reaching consequences For example the astronomical alignment of the Kaaba known to various medieval writers but long forgotten led to the adoption of similar alignments for the qibla and the final articles show how these were calculated whether from astronomical observation or geographical computation and their impact on the orientation of religious and secular architecture across the Islamic world

C'est partir d'une grande diversité de sources inexplorées que ces articles expliquent comment la science avait été appliquée à trois aspects du rituel islamique au Moyen Âge : la régulation du calendrier lunaire, l'organisation des heures assignées aux cinq prières quotidiennes et l'établissement de la direction sacrée qibla vers la Kaaba de la Mecque Des procédés simples d'astronomie populaire étaient utilisés par les religieux du droit religieux qui dépendaient de la pratique populaire des méthodes mathématiques plus complexes étaient offertes par les hommes de science ce qui en effet s'avéra être une motivation puissante dans le développement de l'analyse et de la recherche scientifique Certains de ces procédés eurent des conséquences d'une grande portée par la suite L'alignement astronomique de la Kaaba pour ne reprendre qu'un exemple connu

The Formation of al-Andalus, Part 2 Julio Samsó,Maribel Fierro,2019-10-23 These two volumes present a conspectus of current research on the history and culture of early medieval Spain and Portugal from the time of the Arab conquest in 711 up to the fall of the caliphate They trace the impact of

Islamisation on the pre existing Roman and Visigothic political and social structures the continuing interaction between Christian and Muslim and describe the particular development and characteristics of Muslim Spain al Andalus Together they comprise 38 articles of which 32 have been translated into English specially for this publication The first volume focuses on political and social history and looks in detail at settlement patterns and urbanisation the second examines questions of language and covers the brilliant cultural and intellectual history of the period

A Survey of Islamic Astronomical Tables Edward Stewart Kennedy,1956 The source material for the study of medieval oriental astronomy consists of Byzantine Greek Sanscrit Hebrew Arabic Persian and Turkish astronomical and astrological manuscripts If one desires to build up a detailed picture of Islamic astronomy one can choose material from these available manuscripts Of these manuscripts it is possible to isolate a group of works the zijes A zij consists of the numerical tables and accompanying explanation sufficient to measure time and to compute planetary and stellar positions appearance and eclipses This paper is a survey of the number distribution contents and relations between zijes written in Arabic or Persian during the period from the 8th through the 15th centuries Illustrations Oversize

Recent Publications in Natural History ,1987

Treasures of Knowledge: An Inventory of the Ottoman Palace Library (1502/3-1503/4) (2 vols) Gülru Necipoğlu,Cemal Kafadar,Cornell H. Fleischer,2019-08-12 The subject of this two volume publication is an inventory of manuscripts in the book treasury of the Topkap Palace in Istanbul commissioned by the Ottoman sultan Bayezid II from his royal librarian Atufi in the year 908 1502 3 and transcribed in a clean copy in 909 1503 4 This unicum inventory preserved in the Oriental Collection of the Library of the Hungarian Academy of Sciences Magyar Tudom nyos Akad mia K nyvt ra Keleti Gy jtem ny MS T r k F 59 records over 5 000 volumes and more than 7 000 titles on virtually every branch of human erudition at the time The Ottoman palace library housed an unmatched encyclopedic collection of learning and literature hence the publication of this unique inventory opens a larger conversation about Ottoman and Islamic intellectual cultural history The very creation of such a systematically ordered inventory of books raises broad questions about knowledge production and practices of collecting readership librarianship and the arts of the book at the dawn of the sixteenth century The first volume contains twenty eight interpretative essays on this fascinating document authored by a team of scholars from diverse disciplines including Islamic and Ottoman history history of science arts of the book and codicology agriculture medicine astrology astronomy occultism mathematics philosophy theology law mysticism political thought ethics literature Arabic Persian Turkish Turkic philology and epistolary Following the first three essays by the editors on implications of the library inventory as a whole the other essays focus on particular fields of knowledge under which books are catalogued in MS T r k F 59 each accompanied by annotated lists of entries The second volume presents a transliteration of the Arabic manuscript which also features an Ottoman Turkish preface on method together with a reduced scale facsimile

Methods and Applications for Modeling and Simulation of Complex Systems Wenhui Fan,Lin Zhang,Ni Li,Xiao Song,2022-12-23 The two volume set CCIS 1712 and 1713 constitutes the

proceedings of the 21st Asian Simulation Conference AsiaSim 2022 which took place in Changsha China in January 2023 Due to the Covid pandemic AsiaSim 2022 has been postponed to January 2023 The 97 papers presented in the proceedings were carefully reviewed and selected from 218 submissions The contributions were organized in topical sections as follows Modeling theory and methodology Continuous system discrete event system hybrid system intelligent system modeling and simulation Complex systems and open complex and giant systems modeling and simulation Integrated natural environment and virtual reality environment modeling and simulation Networked Modeling and Simulation Flight simulation simulator simulation support environment simulation standard and simulation system construction High performance computing parallel computing pervasive computing embedded computing and simulation CAD CAE CAM CIMS VP VM VR SBA Big data challenges and requirements for simulation and knowledge services of big data ecosystem Artificial intelligence for simulation Application of modeling simulation in science engineering society economy management energy transportation life biology medicine etc Application of modeling simulation in energy saving emission reduction public safety disaster prevention mitigation Modeling simulation applications in the military field Modeling simulation applications in education and training Modeling simulation applications in entertainment and sports

The Pursuit of Learning in the Islamic World, 610-2003 Hunt Janin, 2006-10-30 Islam scares the West Militant conservatism and the horrific acts of violent fundamentalists evoke outrage but the reprehensible few reinforce a longstanding Western stereotype of all Muslims as incorrigibly fanatical violent and morally and culturally different Overlooked is the long history of Muslim intellectual and cultural achievement and its potential to flower once again With about 1.5 billion adherents Islam is the world's fastest growing religion An understanding of its past glories present state and future potential has never been more critical This survey of Muslim intellectual and cultural achievements spans 1400 years Chapters fall into three sections fundamentals of Islamic learning its growth until the present and its future direction in the face of anti intellectual fundamentalism Arranged chronologically within the sections chapters begin with an historical overview of the time period they encompass providing context for the subsequent discussion of key intellectual and cultural achievements within that period Appendices describe decorative and other arts the requirements for expertise in Islamic thought Islamic ethical traditions and list noteworthy personalities and achievements chronologically Maps and photographs illustrate the text which also includes a glossary notes a bibliography and an index

Agrindex, 1990 **Journal for the History of Arabic Science**, 1994 *Islamic Astronomy and Geography* David A. King, 2022-02-13 This volume of 12 studies mainly published during the past 15 years begins with an overview of the Islamic astronomy covering not only sophisticated mathematical astronomy and instrumentation but also simple folk astronomy and the ways in which astronomy was used in the service of religion It continues with discussions of the importance of Islamic instruments and scientific manuscript illustrations Three studies deal with the regional schools that developed in Islamic astronomy in this case Egypt and the Maghrib Another focuses on a curious astrological table for

calculating the length of life of any individual The notion of the world centred on the sacred Kaaba in Mecca inspired both astronomers and proponents of folk astronomy to propose methods for finding the qibla or sacred direction towards the Kaaba their activities are surveyed here The interaction between the mathematical and folk traditions in astronomy is then illustrated by an 11th century text on the qibla in Transoxania The last three studies deal with an account of the geodetic measurements sponsored by the Caliph al Ma'mun in the 9th century a world map in the tradition of the 11th century polymath al-Biruni corrupted by careless copying and a table of geographical coordinates from 15th century Egypt

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Table of Contents Al Kashis Geographical Tables

1. Understanding the eBook Al Kashis Geographical Tables
 - The Rise of Digital Reading Al Kashis Geographical Tables
 - Advantages of eBooks Over Traditional Books
2. Identifying Al Kashis Geographical Tables
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Al Kashis Geographical Tables
 - User-Friendly Interface

4. Exploring eBook Recommendations from Al Kashis Geographical Tables
 - Personalized Recommendations
 - Al Kashis Geographical Tables User Reviews and Ratings
 - Al Kashis Geographical Tables and Bestseller Lists
5. Accessing Al Kashis Geographical Tables Free and Paid eBooks
 - Al Kashis Geographical Tables Public Domain eBooks
 - Al Kashis Geographical Tables eBook Subscription Services
 - Al Kashis Geographical Tables Budget-Friendly Options
6. Navigating Al Kashis Geographical Tables eBook Formats
 - ePub, PDF, MOBI, and More
 - Al Kashis Geographical Tables Compatibility with Devices
 - Al Kashis Geographical Tables Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Al Kashis Geographical Tables
 - Highlighting and Note-Taking Al Kashis Geographical Tables
 - Interactive Elements Al Kashis Geographical Tables
8. Staying Engaged with Al Kashis Geographical Tables
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Al Kashis Geographical Tables
9. Balancing eBooks and Physical Books Al Kashis Geographical Tables
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Al Kashis Geographical Tables
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Al Kashis Geographical Tables
 - Setting Reading Goals Al Kashis Geographical Tables
 - Carving Out Dedicated Reading Time

-
12. Sourcing Reliable Information of Al Kashis Geographical Tables
 - Fact-Checking eBook Content of Al Kashis Geographical Tables
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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