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extensive data on the theoretical and practical aspects of electronic reference services digital reference services provides an overview of electronic reference services and software and explores the opportunities that real time digital reference services can offer in a variety of library settings experts in the field convey numerous opinions and theory about the growth of this new approach to answering reference questions this book teaches librarians new methods and techniques for offering technologically advanced reference services to the public the first half of digital reference services includes such topics as real time or live online reference services the historical development of digital reference services and the role of the reference librarian mediated online searches how to create a virtual ready reference collection of elite reference sitesincludes a list of the top sites available to the public how to start and operate a digital reference desk in your library the second half of digital reference services covers examples of librariesboth large and smallwhich have used revolutionary ideas to bring electronic reference services to their patrons these ideas include utilizing atm like kiosks in remote locations from library buildings to connect with underserved populations implementing live interactive web based reference servicesthe challenges and benefits cost training and workload requirements evaluating your real time references servicesinvestigating self assessment and blind reviewing incorporating your assessment into an existing evaluative program and obtaining the administrative support essential for an accurate assessment creating a statewide virtual reference systemselecting software developing policy marketing coordinating the project and staffing and training online reference management for smaller librariesbecause of the smaller staff smaller budget and smaller amount of patrons is it a feasible addition to the library much more this well referenced volume contains case examples figures useful sites and case histories to show how the basic principles of digital reference services work librarians and students of information and library science will find digital reference services a helpful resource to enhance their library and electronic reference expertise

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this substantially updated and augmented second edition adds over 200 pages of text covering and an array of newer developments in nanoscale thermal transport in nano microscale heat transfer 2nd edition dr zhang expands his classroom proven text to incorporate thermal conductivity spectroscopy time domain and frequency domain thermoreflectance techniques quantum size effect on specific heat coherent phonon minimum thermal conductivity interface thermal conductance thermal interface materials 2d sheet materials and their unique thermal properties soft materials first principles simulation hyperbolic metamaterials magnetic polaritons and new near field radiation experiments and numerical simulations informed by over 12 years use the author s research experience and feedback from teaching faculty the book has been reorganized in many sections and enriched with more examples and homework problems solutions for selected problems are also available to qualified faculty via a password protected website substantially updates and augments the widely adopted original edition adding over 200 pages and many new illustrations incorporates student and faculty feedback from a decade of classroom use elucidates concepts explained with many examples and illustrations supports student application of theory with 300 homework problems maximizes reader understanding of micro nanoscale thermophysical properties and processes and how to apply them to thermal science and engineering features matlab codes for working with size and temperature effects on thermal conductivity specific heat of nanostructures thin film optics rcwa and near field radiation

online searching prepares students in library and information science programs to assist information seekers at all levels from university faculty to elementary school students included in the third edition are interviews with librarians and other information professionals whose words of wisdom broaden graduate students perspectives regarding online searching in a variety of work settings serving different kinds of information seekers the book s

chapters are organized according to the steps in the search process 1 conducting a reference interview to determine what the seeker wants 2 identifying sources that are likely to produce relevant information for the seeker s query 3 determining whether the user seeks a known item or information about a subject 4 dividing the query into main ideas and combining them logically 5 representing the query as input to the search system 6 conducting the search and responding strategically 7 displaying retrievals assessing them and responding tactically a new chapter on web search engines builds on students existing experience with keyword searching and relevance ranking by introducing them to more sophisticated techniques to use in the search box and on the results page a completely revised chapter on assessing research impact discusses the widespread use of author and article imetrics a trend that has developed rapidly since the publication of the second edition more than 100 figures and tables provide readers with visualizations of concepts and examples of real searches and actual results textboxes offer additional topical details and professional insights new videos supplement the text by delving more deeply into topics such as database types information organization specialized search techniques results filtering and the role of browsing in the information seeking process an updated glossary makes it easy to find definitions of terms used throughout the book with new and updated material this edition of online searching gives students knowledge and skills for success when intermediating between information seekers and the sources they need

this second edition of a resource designed to help teachers find relevant information on the internet for both themselves and their students provides concise reviews of more than 1 000 sites sorted by subject area each site is evaluated with one to five stars for content presentation and grade level easy to follow explanations are provided of how each site can be used in the classroom also presented are search tips to help teacher find more sites on their own besides the rating of internet sites the book includes information on hardware and software requirements safety on the internet plug ins and helpful information such as criteria for site selection and searching the an element called finding where you have been helps teachers relocate sites they have viewed other

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digital reference services provides an overview of electronic reference services and software and explores the opportunities that real time digital reference services can offer in a variety of library settings experts in the field offer numerous reports and theory about the evolution of this new approach to answering reference questions this well referenced volume contains case examples figures useful sites and case histories to show how the basic principles of digital reference services work librarians and students of information and library science will find this book helpful to enhance their library and electronic reference expertise

written by one of the leaders of the physics education research per movement teaching physics is a book for anyone interested in learning how to become a more effective physics teacher rather than reviewing specific topics in physics with hints for how to teach them and lists of common student difficulties teaching physics presents a variety of tools for improving both the teaching and learning of physics from new kinds of homework and exam problems to surveys for figuring out what has happened in your class to tools for taking and analyzing data using computers and video teaching physics is a companion guide to using the physics suite an integrated collection of research based instructional materials for lecture laboratory recitation and workshop studio environments but even if you don t use a single element from the suite teaching physics can help you enhance your students learning

experience

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information online is not stored or organized in any logical fashion but this reference attempts to organize and catalog a small portion of the in a single resource of the best sites in each category

as prices of traditional library materials increase and space to house them shrinks savvy school library media specialists are creating cyber libraries or school libraries on the internet these libraries offer students and their parents 24 hour access and are invaluable for providing up to date information in a way traditional materials cannot this guide outlines the steps library media specialists can take to create a cyber library provide content and policies for use and maintain it for maximum efficiency craver justifies the need for cyber libraries in the 21st century and how they can help librarians to meet the standards in information power 1998 she explains the different types of cyber libraries available along with their advantages and disadvantages she discusses how to construct them using portals or by acquiring fee based cyber libraries and what policies should be in place to protect both the school and its students also included are instructions for establishing remote access to subscription databases creating cyber reading rooms and providing instructional services to student users once a cyber library is created it must be maintained and evaluated to keep it useful and current and this book provides guidelines to do so finally there is a chapter on promoting the cyber library so the school community is aware of its features and participates in its growth process no school library should be without this volume

more that 1200 smart effective and practical resources for home education on the internet and beyond

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