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Half of patients with psychosis on a new therapy programme demonstrated significant benefits, according to the result ...

NIHR psychosis therapy trial shows potential life-changing benefits

Academics at the Liverpool Head and Neck Centre (LHNC), based at the University of Liverpool, have been awarded five ...

Liverpool academics awarded £ 5.7m in cancer research grants

[4] Although usability testing may take different forms, it seeks to assess the functionality of information technology such as clinical information systems, electronic documentation, and ...

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Electronic Health Records Documentation in Nursing: Nurses' Perceptions, Attitudes, and Preferences

Although ICB has been effective in treating many different types of cancers, only a third of patients respond ... algorithms and datasets from previous clinical patient care.

Using Machine Learning Methods to Predict Response to Immunotherapy

Mae Jackson's list of work-related injuries would make a quarterback wince. Years of twisting the caps off medication and prescription bottles, stretching her 5' 1" frame to reach high shelves ...

One Pharmacist's Battle With Work-Related Injuries

Local officials are sounding the alarm over an increase in Covid-19 infections just as the nation prepares to celebrate a Fourth of July

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holiday that many hoped would mark the start of the resumption ...

Local officials sound the alarm over another possible wave of Covid-19 infections

Jackson Foundation for the Advancement of Military Medicine ... Additionally, two panel discussions interspersed the presentations, while a third offered a summarizing discussion of the many topics ...

HJF Co-Hosts COVID-19 Research Day for DoD Partners

For the nearly 1 million Mississippians who have received at least one dose of Pfizer, a third dose could be in ... Joy Stafford
WATCH: Jackson mayor on why there is still a mask mandate in ...

As Pfizer wants to push booster shot, FDA and CDC say it's not necessary at this time

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Cape Girardeau's new behavioral health hospital is now treating patients, and at the helm of the operation is a seasoned health care administrator who has a clinical and business background.

Tim Cockrell provides medical, business perspectives in role with behavioral health hospital

DeBows United Methodist Church, corner of Route 571 and Route 537, Jackson, will host a flea market ... online grief support group led by licensed clinical social workers certified in grief ...

Tri-Town News Datebook, June 16

"This is a longstanding problem that nonprofits face," said Michelle Jackson, executive director ... 2020 appeared in full in the June 14 print edition of Crain's New York Business as well as ...

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Report: Nonprofits lost \$9M in revenue in 2020, with situation worsened by government delays

It ' s not that complicated, according to DeSean Jackson. During offseason workouts, the new Rams receiver has worked to get a feel for new quarterback Matthew Stafford. Jackson has been one of ...

Rams ' DeSean Jackson can see how his connection with Matthew Stafford will be the bomb

The open letter specifically highlighted the series ' transgender and non-binary actors Mj Rodriguez, Dominique Jackson, Indya Moore, Hailie Sahar, and Angelica Ross.

“ In the course of its three ...

GLAAD, LGBTQ+ Organizations Urge Voters To Recognize & Consider ' Pose ' As Emmy Nomination Voting Commences

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REGGIE JACKSON HAD spent enough time in Los Angeles over the years to have an idea of what he was signing up for when Paul George invited him out to a summer pickup game at his old high school in ...

NBA playoffs 2021: With the LA Clippers, Reggie Jackson feels like he has a place in the league

Registration:

<https://WomenToWomen21.givesmart.com> • CentraState Medical Center has launched a new online grief support group led by licensed clinical ... on the first and third Thursdays ...

A revision of the defining book covering the physics and classical mathematics necessary to understand electromagnetic fields in materials and at surfaces and interfaces. The third edition has been revised to address the

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changes in emphasis and applications that have occurred in the past twenty years.

Market_Desc: · Physicists · High Tech Engineers · Plasma Physicists · Accelerator Physicists · Astrophysicists
Special Features: · Extensive treatment of synchrotron light, undulators, and wigglers · Contains principles of numerical techniques for electrostatics and magnostatics so readers understand the methods behind PC analysis
About The Book: This book covers information relating to physics and classical mathematics that is necessary to understand electromagnetic fields in materials and at surfaces and interfaces. It also addresses the changes in emphasis and applications that have occurred in the past twenty years.

Problems after each chapter

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This revised edition covers the physics and classical mathematics necessary to understand electromagnetic fields in materials and at surfaces and interfaces.

An engaging writing style and a strong focus on the physics make this graduate-level textbook a must-have for electromagnetism students.

This well-known undergraduate electrodynamics textbook is now available in a more affordable printing from Cambridge University Press. The Fourth Edition provides a rigorous, yet clear and accessible treatment of the fundamentals of electromagnetic theory and offers a sound platform for explorations of related applications (AC circuits, antennas, transmission lines, plasmas, optics and more). Written keeping in mind the conceptual hurdles typically faced by

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Undergraduate students, this textbook illustrates the theoretical steps with well-chosen examples and careful illustrations. It balances text and equations, allowing the physics to shine through without compromising the rigour of the math, and includes numerous problems, varying from straightforward to elaborate, so that students can be assigned some problems to build their confidence and others to stretch their minds. A Solutions Manual is available to instructors teaching from the book; access can be requested from the resources section at www.cambridge.org/electrodynamics.

This graduate-level physics textbook provides a comprehensive treatment of the basic principles and phenomena of classical electromagnetism. While many electromagnetism texts use the subject to

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teach mathematical methods of physics, here the emphasis is on the physical ideas themselves. Anupam Garg distinguishes between electromagnetism in vacuum and that in material media, stressing that the core physical questions are different for each. In vacuum, the focus is on the fundamental content of electromagnetic laws, symmetries, conservation laws, and the implications for phenomena such as radiation and light. In material media, the focus is on understanding the response of the media to imposed fields, the attendant constitutive relations, and the phenomena encountered in different types of media such as dielectrics, ferromagnets, and conductors. The text includes applications to many topical subjects, such as magnetic levitation, plasmas, laser beams, and synchrotrons. Classical Electromagnetism in a Nutshell is ideal for a yearlong graduate course and features more than 300 problems, with

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solutions to many of the advanced ones. Key formulas are given in both SI and Gaussian units; the book includes a discussion of how to convert between them, making it accessible to adherents of both systems.

Offers a complete treatment of classical electromagnetism Emphasizes physical ideas Separates the treatment of electromagnetism in vacuum and material media Presents key formulas in both SI and Gaussian units Covers applications to other areas of physics Includes more than 300 problems

Classical Electrodynamics captures Schwinger's inimitable lecturing style, in which everything flows inexorably from what has gone before. Novel elements of the approach include the immediate inference of Maxwell's equations from Coulomb's law and (Galilean) relativity, the use of action and stationary principles, the central role of Green's functions both in statics and

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dynamics, and, throughout, the integration of mathematics and physics. Thus, physical problems in electrostatics are used to develop the properties of Bessel functions and spherical harmonics. The latter portion of the book is devoted to radiation, with rather complete treatments of synchrotron radiation and diffraction, and the formulation of the mode decomposition for waveguides and scattering. Consequently, the book provides the student with a thorough grounding in electrodynamics in particular, and in classical field theory in general, subjects with enormous practical applications, and which are essential prerequisites for the study of quantum field theory. An essential resource for both physicists and their students, the book includes a "Reader's Guide," which describes the major themes in each chapter, suggests a possible path through the book, and identifies topics for inclusion in, and

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Exclusion from, a given course, depending on the instructor's preference. Carefully constructed problems complement the material of the text, and introduce new topics. The book should be of great value to all physicists, from first-year graduate students to senior researchers, and to all those interested in electrodynamics, field theory, and mathematical physics. The text for the graduate classical electrodynamics course was left unfinished upon Julian Schwinger's death in 1994, but was completed by his coauthors, who have brilliantly recreated the excitement of Schwinger's novel approach.

Newly corrected, this highly acclaimed text is suitable for advanced physics courses. The authors present a very accessible macroscopic view of classical electromagnetics that emphasizes integrating electromagnetic theory with physical optics.

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The survey follows the historical development of physics, culminating in the use of four-vector relativity to fully integrate electricity with magnetism. Corrected and emended reprint of the Brooks/Cole Thomson Learning, 1994, third edition.

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