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A 55-year-old motorcyclist from Manassas died on Sunday, July 4 in a crash that occurred on I-66 westbound in Fairfax County, police said.

~~Manassas Motorcyclist Dies After 4th Of July Crash: Police~~
From Huda Beauty, Nars, Charlotte Tilbury, Rare Beauty, and more, these 10 makeup products stand up to the heat.

~~10 makeup products that won't budge in the heat~~

Things are starting to get serious. There have been Gianluca Busio to [insert European team here] for literally years. Often to Italian teams, due to him holding a passport there through his father, ...

~~Busio Transfer Rumors Heat Up with the Price Rumored at~~

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~~\$7 Million Plus~~

~~Free fans~~The Greene County Senior Center is offering free box fans for residents who are at least 60 or have a disability. Supplies are limited. Individuals who received fans last ...

~~Happenings: Events, activities and public service announcements~~

~~The email from SWA said the return trip on our round trip had been cancelled, and we were moved to a later flight the same day. The new return flight would have put us back in Rockport well after ...~~

~~Almost ' canceled ' during quick trip to Idaho in a heat wave~~

~~The Open is back. From what we missed to Bryson DeChambeau's ongoing drama to Jon Rahm's hope for a second consecutive major, we look at all the big questions -- and provide some answers -- for the ...~~

~~From Bryson DeChambeau's drama to Jon Rahm's bid for another golf major, the biggest questions and answers heading into The Open~~

~~ARSENAL have reportedly made an offer to Lyon for midfield gem Houssem Aouar following a drop in the asking price for the player. Le 10 Sport says the Ligue 1 star could cost the Gunners under a ...~~

~~Arsenal ' launch official Houssem Aouar transfer bid with long-term target and Lyon star available for just £17m '~~

~~If you're in the market for a laptop or gaming PC, Independence Day could be an excellent time to browse HP's 4th of July Sale while ...~~

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~~This week: Score 4th of July deals on HP laptops, 2-in-1s, monitors, and VR gear~~

~~Firefighters struggled to contain an exploding Northern California wildfire under blazing temperatures as another heat wave blanketed the West, prompting an excessive heat ...~~

~~Heat wave blankets US West as fires rage in several states~~

~~And because of that, the city is putting in an emergency heat strategy where they'll have portable water stations and they're turning on every spray park they possibly can within the city. " Just prior ...~~

~~Two Nations, One Shared Massive Heat Wave: Canada Day And Fourth Of July Will Be Firecracker Hot~~

~~That brings to 16 the number of players who have withdrawn or chosen not to take their spots in the field for the 149th edition ... rain today. I'm thinking a 5-10% chance. With partly cloudy skies ...~~

~~Zach Johnson tests positive, list of British Open WDs grows~~

~~The following news items are reprinted from the Manistee Daily News for the week of July 1-7, 1921 and are compiled by Teena Kracht from the newspaper archives of the Manistee County Historical Museum ...~~

~~100 YEARS AGO: Here's how Manistee folks beat the heat back in the day~~

~~Heat. The S70 was definitely fast ... The 2TB VP4300 delivers the fourth-best result we've received to date on our Intel test bench. Again, and like we've seen so far, the VP4300 with its newer ...~~

~~Patriot Viper VP4300 2TB M.2 SSD Review~~

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This week ' s Thinking out Loud column touches in a number of different subjects, including the College World Series, Stephon Gilmore with the Patriots and more.

~~Thinking out loud: Random 4th of July weekend thoughts~~

As a historic heat wave rolls across Idaho this holiday week with temperatures spiking above the century mark, animal caregivers remind us that our pets are depending on us for protection. That, ...

~~Fireworks And Record Setting Heat Are Stressing Pets And Filling Animal Shelters~~

GSHPs, which are also known as geothermal heat pumps, utilize shallow-ground energy to achieve space heating and cooling and are able to transfer heat ... between 8.00 a.m. and 8.00 p.m. With ...

~~Photovoltaics and geothermal heat pumps for domestic hot water heating~~

P.M. Edition for June 29 ... Annmarie Fertoli: The record heat wave in the Pacific Northwest is finally cooling, but it's wreaked havoc for farmers. Speaker 2: They've learned how to deal with ...

~~Pacific Northwest Heat Wave Wreaks Havoc on Crops, Wildlife~~

Fourth of July always means hotdogs and hamburgers, apple pie, and baseball, right? But what if you ' re having family or friends (maybe both) over and you want to give them something they ' ll ...

~~Ken Morris, Cooking for Comfort: Fourth of July on the grill~~

The July/August edition ... heat Park It: East Bay open spaces returning to prepandemic operations Park It: Oakley ' s Big

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Break shows Delta ' s rich natural, cultural history Usually July Fourth ...

~~Park It: Swimming, other East Bay July Fourth activities available~~

Sunday was the last day of the 10-day of trials and the events were scheduled to resume at 11:30 p.m. ET ... and Washington will feel the heat wave through the Fourth of July weekend, and eastern ...

This book is designed as a textbook for mechanical engineering seniors or beginning graduate students. The book provides a reasonable theoretical basis for a subject that has traditionally had a very strong experimental base. The core of the book is devoted to boundary layer theory with special emphasis on the laminar and turbulent thermal boundary layer. Two chapters on heat exchanger theory are included since this subject is one of the principle application areas of convective heat transfer.

A new edition of the bestseller on convection heattransfer A revised edition of the industry classic, Convection HeatTransfer, Fourth Edition, chronicles how the field of heattransfer has grown and prospered over the last two decades. Thisnew edition is more accessible, while not sacrificing its thoroughtreatment of the most up-to-date information on current researchand applications in the field. One of the foremost leaders in the field, Adrian Bejan haspioneered and taught many of the methods and practices commonlyused in the industry today. He continues this book's long-standingrole as an inspiring, optimal study tool

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by providing: Coverage of how convection affects performance, and how convective flows can be configured so that performance is enhanced How convective configurations have been evolving, from the flat plates, smooth pipes, and single-dimension fins of the earlier editions to new populations of configurations: tapered ducts, plates with multiscale features, dendritic fins, duct and plate assemblies (packages) for heat transfer density and compactness, etc. New, updated, and enhanced examples and problems that reflect the author's research and advances in the field since the last edition A solutions manual Complete with hundreds of informative and original illustrations, Convection Heat Transfer, Fourth Edition is the most comprehensive and approachable text for students in schools of mechanical engineering.

The 4th edition of CHMT continues the trend, initiated with the 3rd ed., of encouraging the use of a numerically based, computational approach to solving convective heat and mass transfer problems. The book also continues its tradition of also providing classic problem solving approaches to this subject. This textbook presents a strong theoretical basis for convective heat and mass transfer by focusing on boundary layer theory. This new edition provides optional coverage of the software teaching tool TEXSTAN. This boundary layer computer program can be used to enhance the understanding of the relationship between the surface friction, heat, and mass transfer and their respective flow fields. TEXSTAN contains the data structure needed to describe and solve most convective problems encountered by senior and graduate level students. Other significant changes include: expanded chapter on convective heat transfer with body forces; reduced focus on heat exchanger theory; completely rewritten chapters on mass transfer to

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include more engineering examples for both low and high transfer rates, to provide the student with more insight to a seemingly difficult subject. Search for this book on EngineeringCS.com to find password-protected solutions to all chapter problems and additional information on TEXSTAN.

CD-ROM contains: the limited academic version of Engineering equation solver(EES) with homework problems.

Providing a comprehensive overview of the radiative behavior and properties of materials, the fifth edition of this classic textbook describes the physics of radiative heat transfer, development of relevant analysis methods, and associated mathematical and numerical techniques. Retaining the salient features and fundamental coverage that have made it popular, Thermal Radiation Heat Transfer, Fifth Edition has been carefully streamlined to omit superfluous material, yet enhanced to update information with extensive references. Includes four new chapters on Inverse Methods, Electromagnetic Theory, Scattering and Absorption by Particles, and Near-Field Radiative Transfer Keeping pace with significant developments, this book begins by addressing the radiative properties of blackbody and opaque materials, and how they are predicted using electromagnetic theory and obtained through measurements. It discusses radiative exchange in enclosures without any radiating medium between the surfaces—and where heat conduction is included within the boundaries. The book also covers the radiative properties of gases and addresses energy exchange when gases and other materials interact with radiative energy, as occurs in furnaces. To make this challenging

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subject matter easily understandable for students, the authors have revised and reorganized this textbook to produce a streamlined, practical learning tool that: Applies the common nomenclature adopted by the major heat transfer journals Consolidates past material, reincorporating much of the previous text into appendices Provides an updated, expanded, and alphabetized collection of references, assembling them in one appendix Offers a helpful list of symbols With worked-out examples, chapter-end homework problems, and other useful learning features, such as concluding remarks and historical notes, this new edition continues its tradition of serving both as a comprehensive textbook for those studying and applying radiative transfer, and as a repository of vital literary references for the serious researcher.

This extensively revised 4th edition provides an up-to-date, comprehensive single source of information on the important subjects in engineering radiative heat transfer. It presents the subject in a progressive manner that is excellent for classroom use or self-study, and also provides an annotated reference to literature and research in the field. The foundations and methods for treating radiative heat transfer are developed in detail, and the methods are demonstrated and clarified by solving example problems. The examples are especially helpful for self-study. The treatment of spectral band properties of gases has been made current and the methods are described in detail and illustrated with examples. The combination of radiation with conduction and/or convection has been given more emphasis and has been merged with results for radiation alone that serve as a limiting case; this increases practicality for energy transfer in translucent solids and fluids. A comprehensive catalog of configuration factors on the CD

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that is included with each book provides over 290 factors in algebraic or graphical form. Homework problems with answers are given in each chapter, and a detailed and carefully worked solution manual is available for instructors.

With complete coverage of the basic principles of heat transfer and a broad range of applications in a flexible format, Heat and Mass Transfer: Fundamentals and Applications by Yunus Cengel and Afshin Ghajar provides the perfect blend of fundamentals and applications. The text provides a highly intuitive and practical understanding of the material by emphasizing the physics and the underlying physical phenomena involved. This text covers the standard topics of heat transfer with an emphasis on physics and real-world every day applications, while de-emphasizing the intimidating heavy mathematical aspects. This approach is designed to take advantage of students' intuition, making the learning process easier and more engaging. Key: 50% of the Homework Problems including design, computer, essay, lab-type, and FE problems are new or revised to this edition. Using a reader-friendly approach and a conversational writing style, the book is self-instructive and entertains while it teaches. It shows that highly technical matter can be communicated effectively in a simple yet precise language.

Convective Heat and Mass Transfer, Second Edition, is ideal for the graduate level study of convection heat and mass transfer, with coverage of well-established theory and practice as well as trending topics, such as nanoscale heat transfer and CFD. It is appropriate for both Mechanical and Chemical Engineering courses/modules.