

THE MOST TRUSTED DIGITAL ENGINEERING REFERENCE TOOL FOR STUDENTS AND FACULTY AVAILABLE TODAY

It's more important than ever for engineering faculty to have the resources to prepare students to solve the real-world problems they will encounter in their professional careers. By connecting users with hundreds of thousands of pages of the world's best-known, most-used engineering reference content—made fully searchable and interactive—

AccessEngineering is the ideal solution to this need.

AccessEngineering builds on McGraw-Hill Education's more than 100 years of engineering expertise and deep ties to academia to deliver the world's most-trusted collection of critical reference information across every major engineering discipline. Providing authoritative reference works relied on by working engineers worldwide, AccessEngineering has specific features that enable instructors to incorporate reference content into their curricula and to help students gain the skills necessary to land—and succeed at—that all-important first job.

AccessEngineering includes the fully searchable and complete text of renowned engineering references and guides, such as the current digital editions of Perry's Chemical Engineers' Handbook, Marks' Standard Handbook for Mechanical Engineers, Roark's Formulas for Stress and Strain—optimized for the web with exclusive, faculty-created, how-to videos, curriculum maps tied to core content, plus calculators, interactive graphs, and downloadable tables.









THE WORLD'S BEST-KNOWN, MOST-USED ENGINEERING REFERENCE CONTENT—DIGITALLY OPTIMIZED FOR THE 21ST CENTURY

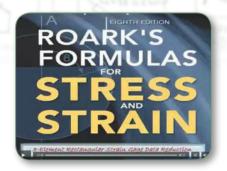
- Current editions of world famous engineering references and study guides from McGraw-Hill Education such as the digital editions of Perry's, Roark's and Marks'
- Exclusive self-teaching videos created by leading engineering faculty facilitate learning through step-by-step solutions to real-world engineering problems
- Curriculum maps designed by leading academics and tied to core content save educators time
- Interactive graphs and downloadable tables allow for greater accuracy in readings and calculations
- Calculator tools save time and increase accuracy by streamlining calculations
- Mobile access connects users on any device anywhere, anytime
- Personalized tools allow users to organize, annotate, and share important information
- Business skills references and videos help build management, presentation, and quality control skills
- Schaum's Outlines titles and videos offer problem-solving practice and refreshers in key disciplines
- Global news feed keeps users up-to-date with the latest engineering developments from around the world

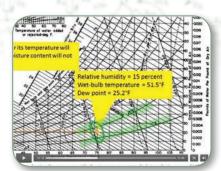
ENGINEERING SUBJECT AREAS Biomedical Energy/Petroleum Operations Management Chemical Environmental/Sustainable Software Civil Industrial Mechanical Communications Electrical/Electronics

ADVISED BY DISTINGUISHED ACADEMIC PROFESSIONALS

AccessEngineering is guided by a Faculty Advisory Board consisting of distinguished engineering faculty members. These leaders in the field ensure that **AccessEngineering** maintains the highest editorial standards and incorporates the latest developments across the entire spectrum of engineering.

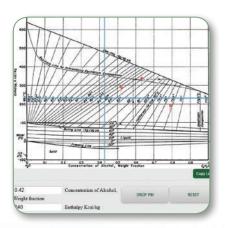
EXCLUSIVE FACULTY CREATED, SELF-TEACHING VIDEOS HELP STUDENTS LEARN HOW TO SOLVE REAL-WORLD PROBLEMS





These instructional, white-boarded videos are created exclusively for **AccessEngineering** by distinguished engineering faculty—with new content being added constantly. They walk students through the step-by-step solutions needed to solve the real-world world problems they will encounter beyond the classroom: an essential aid to their future professional success.

EXCLUSIVE DIGITAL FEATURES MAKE ACCESSENGINEERING AN EVEN MORE POWERFUL REFERENCE TOOL



Temperature, K.	The Party	v _p , m ³ /kg		
299.32	0.000 694	0.2996	91.857	79.157
309.57	0.000 711	0.1630	91.886	76.503
326.66	0.000 733	0.0876	91,766	73.538
337.43	0.000 749	0.0608	91.625	71.748
345,43	0.000 762	0.0469	91.488	70.480
351.88	0.000 774	0.0382	91.346	69.483
364.09	0.000 800	0.0262	90.979	67.743
373.17	0.000 822	0.0199	90.601	66.547
386.37	0.000 863	0.0133	89,823	64.997
396.52	0.000 903	0.0098	89.018	64.099
404.50	0.000 945	0.00761	88,191	63.532
411.20	0.000 993	0.00607	£7,344	63.181
422,07	0.001 129	0.00394	85.602	62.950
430.76	0.001 577	0.00209	83.817	63.366
	209.32 109.57 336.66 137.43 345.45 351.85 361.99 373.17 386.57 396.52 401.50 411.20 422.07 430.76 347.E.D.J.U.Stener, et al.	299.32 0.000 694 309.97 0.000 711 336.66 0.000 713 337.45 0.000 742 331.88 0.000 762 331.88 0.000 774 564.09 0.000 800 773.17 0.000 823 386.57 0.000 863 396.52 0.000 993 400.50 0.000 943 411.20 0.000 943 412.07 0.001 297 410.75 0.001 297 410.75 0.001 297 410.75 0.001 297 410.75 0.001 297 410.75 0.001 297 410.75 0.001 297 410.75 0.001 297 410.75 0.001 297 410.75 0.001 297 410.75 0.001 297	209.32 0.000.694 0.2596 109.517 0.000.711 0.1619 133.66 0.000.713 0.06876 337.43 0.000.714 0.06872 337.43 0.000.714 0.0582 341.43 0.000.714 0.0582 351.85 0.000.714 0.0582 351.87 0.000.850 0.0252 373.17 0.000.850 0.0253 376.52 0.000.993 0.0098 404.50 0.000.993 0.0098 404.50 0.000.993 0.00991 411.20 0.000.993 0.00997 411.20 0.000.993 0.00097 412.07 0.001.25 0.000.993 0.00007 412.07 0.001.25 0.000.993 0.00007	209.32 0.000.694 0.2068 92.837 309.97 0.000.711 0.1630 91.836 1356.66 0.000.713 0.06178 91.565 337.63 0.000.714 0.0658 91.635 346.43 0.000.742 0.0669 91.435 351.83 0.000.744 0.0382 91.346 351.83 0.000.744 0.0382 91.346 361.09 0.000.820 0.0262 60.979 373.17 0.000.822 0.0169 90.001 373.17 0.000.822 0.0169 90.001 396.57 0.000.810 0.013 181.91 411.20 0.000.945 0.00761 88.191 411.20 0.000.945 0.00761 88.191 411.20 0.000.993 0.00007 87.344 410.70 0.001.20 0.00394 85.502 410.76 0.001.27 0.000.003 85.817 417.70 0.001.27 0.000.003 85.817

Interactive graphs and downloadable tables make it easier to use and analyze key data.

CURRICULUM MAPS SAVE INSTRUCTORS TIME

Detailed curriculum maps in this growing collection tie the most relevant content from our classic references and guides to core engineering courses—saving faculty time in classroom preparation.

SUBJECTS COVERED:

Circuit Analysis (AC and DC)
Control Systems

Electronics

Engineering Economics

Fluid Flow/Momentum Transfer

Heat Transfer

Machine Design

Mass Transfer

Quality Control

Reaction Kinetics

Separations

Strength of Materials

Thermodynamics

Vibration and Control







CALCULATORS HELP YOU PERFORM CALCULATIONS MORE EFFICIENTLY AND ACCURATELY

Our calculator tools are created by engineering faculty and streamline common calculations that can be time-consuming to perform by hand. By embedding the relevant formulas directly into Excel spreadsheet workbooks—which work with both US and SI units—these calculators enable you to efficiently enter input data and quickly get the most accurate answer possible, within a software program already in daily use. Direct links to the source content and additional related material are provided in the spreadsheets:



CALCULATORS INCLUDE:

 Compressible (Fanno Flow) of Air in a Pipe (Chemical; Mechanical):

Fanno Flow calculations for adiabatic, compressible air flow in a pipe are extremely time-consuming. This calculator automates the iterative calculation of the friction factor and the overlaying iterative solution of the Fanno Flow equation.

• Incompressible Flow in Pipes and Channels (Chemical; Civil; Environmental; Mechanical; Petroleum)

This calculator automates the iterative calculation of the friction factor using the Colebrook equation.

 Lime Soda Water Softening (Civil; Environmental)
 This workbook speeds up the numerous intermediate calculations required for dosages of water softening chemicals, daily chemical requirements, and daily solids production rates.

 Natural Convection Heat Transfer Coefficients (Chemical; Mechanical; Petroleum)

The most time consuming part of any convection heat transfer calculation is obtaining a good value for the convection heat transfer coefficient. This Excel workbook calculates the convection coefficient for three natural convection heat transfer configurations.

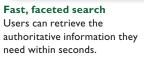
• Uniform Open Channel Flow (Manning Equation) (Civil; Environmental; Mechanical)

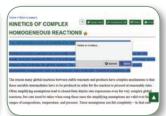
Speeds up the uniform open channel flow calculations by automating the iterative solution for normal depth required by the Manning equation. It also calculates flow rate and velocity, or required channel slope for specified values of the other open channel flow parameters.



THE MOST TRUSTED, CURRENT, MUST-HAVE ENGINEERING INFORMATION AVAILABLE TODAY







Personalized tools Allows users to highlight, annotate, organize, and share key information.



Global engineering newsfeed Drawn from publications across the world, this newsfeed helps users keep up with the latest developments in their field.

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