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Search & Browse
Basic & Advanced Search

What's New on AccessEngineering?


Application Example 1005-4 Egress Width Distribution

Check out 15 new videos illustrating application examples based on the 2015 International Building Code.
Conduct A Basic Search

Enter a keyword or phrase into the search bar on the top of the homepage and click **GO**

![Search Access Engineering](image)

**Hint:** The search engine supports advanced search techniques

- Boolean AND, OR, and NOT (e.g., mechanical AND engineering)
- Quotation marks (" ") to find an exact phrase (e.g., “mechanical engineering”)
- Asterisks (*) to match partial words (e.g., thermo*)
1. Click **ADVANCED SEARCH** underneath the search bar

2. Enter keywords or phrases in the text boxes and select search operators

3. Refine your results by content type, subject, and/or title, and click **SEARCH**
Filter your Search

Filter by Subject
- Mechanical engineering (315)
- Electrical & electronics engineering (254)
- Civil engineering (195)
- Industrial engineering (102)
- Environmental & sustainable engineering (89)

Filter by Title
- Piping Handbook, Seventh Edition (29)
- Vibration and Acoustics: Measurement and Signal Analysis (23)
- Semiconductor Manufacturing Handbook (23)
- HVAC Equations, Data, and Rules of Thumb, Third Edition (22)

Filter by Type
- Text (880)
- Book (30)

Vibration Isolation

The topic of vibration isolation is considered in this video. Figures 3.4.5, 3.4.6, and 3.4.7 are used to investigate the vibration isolation requirements of a system. ...

Type: Video

VIBRATION ISOLATION

VIBRATION ISOLATION Often machines and components which exhibit vibrations have to be mounted in locations where vibrations may not be desirable. Then the machine has to be isolated properly so that it does not transmit vibrations. Transmissibility Active Isolation and Transmissibility. From Eq. (31.38 ...

Type: Text

CONCEPT OF VIBRATION ISOLATION

The concept of vibration isolation is illustrated by consideration of the 1-DOF systems shown in Figs. 2.20 and 2.12 (also depicted in columns 1 and 2 of Table 38.1). The performance of the isolator may be evaluated by the following characteristics of the response of the system to steady-state sinusoidal vibration ...
Apply & Remove Search Filters

Easily target the most relevant material by filtering search results by subject, title, content type, and process type. Multiple filters can be applied to a search.

1. Narrow your search results by clicking an applicable filter on the left-hand side of your search results page.

2. Remove a filter by clicking the name of the filter, e.g., “All Subjects”
Either hover over **SUBJECTS** on The top navigation bar...

...or **BROWSE SUBJECTS** from the Center of the homepage
1. Click **TITLES (A-Z)** on the navigation bar

2. Either browse **ALL** titles in alphabetical order...

3. ...or click the alphabetical range within which the first letter of the title appears
1. On the homepage, scroll down to the **TOOLS & MEDIA** box in the center of the page

2. Click **VIDEOS** to be taken to a search results page showing a list of all videos on the site

The icon on the search results page indicates that a search result is a video
1. On the homepage, scroll down to the **TOOLS & MEDIA** box in the center of the page.

2. Click **GRAPHS** to be taken to a search results page showing a list of all graphs on the site.

The icon on the search results page indicates that a search result is a graph.
Personal Accounts

Personal accounts allow you to save searches and receive search alerts, as well as organize, label, annotate, and highlight material of particular interest. Personal accounts are free for all users at the subscribing institution, and they take only a few seconds to create.
Create A Personal Account

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Create A Personal Account

1. On the right-hand side of the homepage, click REGISTER

2. Complete the form that pops up, and then click SIGN UP
Log Into Your Personal Account

1. On the right-hand side of the homepage, enter the email and password you used when registering for a personal account, and click SUBMIT.

2. After logging in successfully, you will see your email address on the right-hand side of the page, and the upper-most box on the homepage will show your account activity.
Personalized Tools

*Note*: These features are only available to users who are signed into their personal account.
A starred item acts much like the “bookmark” or “favorite” function within most web browsers by storing links to pages of content for easy retrieval at a later time.

1. Navigate to any content page

2. Click on the ⭐ next to the name of the chapter

3. When the ⭐ becomes filled, the page gets stored in your list of starred items in your personal account

A star can be removed by either re-clicking the star or deleting it from your MY ACCOUNT page
Labels are used to sort and classify content.

1. From any content page, hover over **APPLY LABEL**

2. Either click the box next to the applicable label, or click **ADD LABEL** if there’s no applicable label

3. To create a new label, type the name of the label, click **ADD**, and then click **RETURN TO PREVIOUS PAGE TO APPLY LABEL(S)**

Continued on next slide...
4. When you’ve returned to the content page, hover over **APPLY LABEL** again.

5. Click the box next to the new label.

6. A dialog box will appear after you click the box to confirm the page has been saved to the applicable label.
1. Drag the blue crosshairs around the graph to the desired data point

2. Click DROP PIN below the graph to place a push pin on the desired data point and automatically save it to your personal account

3. You can annotate a pin by hovering over the pin and clicking ANNOTATE on the text box that appears

Pins are saved to MY ACCOUNT and can be deleted from your page
1. Highlight a block of text of particular interest on any content page

2. Click the pencil icon

3. Type your note in the text box that appears, and click SAVE

4. Your annotated text is now highlighted, and your notes will appear when you hover over the text

Annotations are saved to MY ACCOUNT and can be downloaded into a .csv file
Curriculum Maps

Curriculum Maps are organized sets of resources that include textbook sections, tables, videos, and examples to help teach core concepts in engineering. These Maps make it easy for faculty to decide which resources to assign their students within core courses.
Search Curriculum Maps

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- Environmental/Sustainable
- Industrial
- Marks’ Standard Handbook for Mechanical Engineers
- Mechanical
- Separations
- Strength of Materials
- Thermodynamics
- Vibration and Control
- Water Treatment / Plant Design
- CIRCUIT ANALYSIS (DC and AC)
- CONTROL SYSTEMS
- ELECTRONICS
- ENGINEERING ECONOMICS
- FLUID FLOW / MOMENTUM TRANSFER
- HEAT TRANSFER
- MACHINE DESIGN
- MASS TRANSFER
- MATERIALS SCIENCE AND ENGINEERING (MSE)
- QUALITY CONTROL
- REACTION KINETICS
- SEPARATIONS
- STRENGTH OF MATERIALS
- THERMODYNAMICS
- VIBRATION AND CONTROL
- WASTEWATER TREATMENT / PLANT DESIGN
- WATER TREATMENT / PLANT DESIGN
Curriculum Map

Course: Heat Transfer

Authors
Don W. Green, Editor-in-Chief, Perry's Chemical Engineers' Handbook, 8th Edition, and Emeritus Distinguished Professor of Chemical and Petroleum Engineering, University of Kansas
Marylee Southard, Associate Professor, Chemical Engineering, University of Kansas

Course Topics
- Conductive Heat Transfer
- Convective Heat Transfer
- Heat Transfer with Phase Change
- Radiative Heat Transfer
- Heat Transfer Equipment Design

Conductive Heat Transfer

<table>
<thead>
<tr>
<th>Relevant Material</th>
<th>Type</th>
<th>Description</th>
<th>Source</th>
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<tbody>
<tr>
<td>Heat Transfer by Conduction</td>
<td>Text</td>
<td>Conduction heat-transfer basics</td>
<td>Perry’s Chemical Engineers’ Handbook</td>
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<tr>
<td>Nomenclature and Units</td>
<td>Table</td>
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<tr>
<td>Thermal Conductivity</td>
<td>Text</td>
<td>Methods of estimation of thermal conductivity</td>
<td>Perry’s Chemical Engineers’ Handbook</td>
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</table>
Questions?

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