

Sharing Content through Durable URLs

1. Getting Durable URLs for Content Items

For **books, book chapters, videos, spreadsheets, and case studies**, look for the blue “Share” button on the content landing page (see examples below). This button will provide a direct link to that content, with the option for a proxied link* if your institution uses a proxy server for access.

The image shows three examples of content on the ACCESS Engineering platform where the 'Share' button is highlighted:

- Case Study:** "Rotor Cuff Repair: Bridging the Gap Through Engineering Innovation" by Katherine E. Reuther and Sarah I. Rooney. The 'Share' button is highlighted with a red box and arrow. A modal window titled "Share this case study" is open, showing options for "Link" and "Proxy Link", both also highlighted with red boxes.
- Video:** "Schaum's Thermodynamics Supplementary Problem 2-31: Equations of State" by Thom Adams. The 'Share' button is highlighted with a red box and arrow.
- Book Chapter:** "Introduction to the Finite Element Method, Fourth Edition" by J. N. Reddy. The 'Share' button is highlighted with a red box and arrow.

*The “Proxy Link” button will display the content URL with the added prefix for your institution’s proxy server. Sharing this proxied link will prompt users to log in with their institutional credentials to gain access to the content.

For **figures, graphs, and tables** within a book chapter, you can use the “Share” or “Proxy Link”* button under the content item in the text to get a direct link. These links are also available from the content tabs across the top of the chapter. Links to content within chapters will take you right to that content where it appears in the text.

Figure 4.2.4 Comparison of the finite element solutions with the exact solution for heat transfer in a radially symmetric problem with cylindrical geometry.

Interactive Graph

Temperature, $T(r)$

Coordinate, r

Click on the graph to launch interactivity or enter values below.

Coordinate, r

temperature, $T(r)$

Apply Reset

Share Proxy Link

Table of Contents Figures (3) Graphs (2) **Tables (2)** Examples (3) Resources (1)

4.2. Heat Transfer

Find items in this list

Table 4.2.1 Comparison of finite difference and finite element solutions with the exact solution of $-d^2\theta/dx^2 + 4\theta = 0, 0 < x < 0.05, \theta(0) = 300, d\theta/dx|_{x=0.05} = 0$.

Hide table View in context

x	Exact solution	FEM solution			FDM solution		
		N=2	N=4	N=8	N=2	N=4	N=8
0.0000	300.00	300.00	300.00	300.00	300.00	300.00	
0.00625	273.71	--	--	273.69	--	273.74	
0.01250	251.71	--	251.52	251.66	--	251.89	
0.01875	233.64	--	--	233.58	--	233.70	
0.02500	219.23	217.98	218.92	219.15	220.41	219.53	
0.03125	208.25	--	--	208.16	--	208.33	
0.03750	200.52	--	200.16	200.43	--	200.89	
0.04375	195.94	--	--	195.84	--	196.03	
0.05000	194.42	192.83	194.03	194.32	195.92	194.80	

Open in new tab

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Table 4.2.2 Comparison of the finite element and exact solutions for temperature in a radially symmetric circular disc.

For **DataVis projects**, you can share a link to any of the projects using the “Share” button from the content landing page. If you make edits to an existing project or create your own project, use the “Share” button on the DataVis project page or My Projects library to get a direct link.

3D Printing Filament

Mark Atwater

2018-11-25

DataVis Project Resources (1)

This project examines the various factors that influence performance of filament used in extrusion-type additive manufacturing processes. Both thermal and mechanical properties are discussed, including glass transition temperature, melt temperature, thermal expansion coefficient, specific heat capacity, flexural strength, hardness, maximum service tensile strength, and impact toughness.

Access project in DataVis Download DataVis Project

For more information on DataVis, visit our FAQ's or watch our video tutorial.

This project is part of a 10-project series that accompanies the **Materials and Manufacturing** textbook by Mark Atwater. Click here to see all of the projects in the series.

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DataVis Material Properties ACCESS Engineering

3D Printing Filament View/Edit Description

Save As **Share** Export Page New

Extrusion Properties Printing Properties Application Performance

Extrusion Properties View Tabular Data

Polymers do not melt like ice will. Instead of converting from solid to liquid directly, they pass through an intermediate stage where they are highly viscous. They can be formed and molded in this state, but the type of polymer and exact temperature are important to getting the conditions right. The

Show More

DataVis Material Properties ACCESS Engineering

Access via McGraw Hill My account Add Visualization

Citation **My Projects** Help Home

My Projects

Delete **Share**

Example Project Project showing capabilities of DataVis Last modified: Dec 09 2020 Created: Dec 08 2020

Materials Selection Last modified: Dec 08 2020 Created: Dec 08 2020

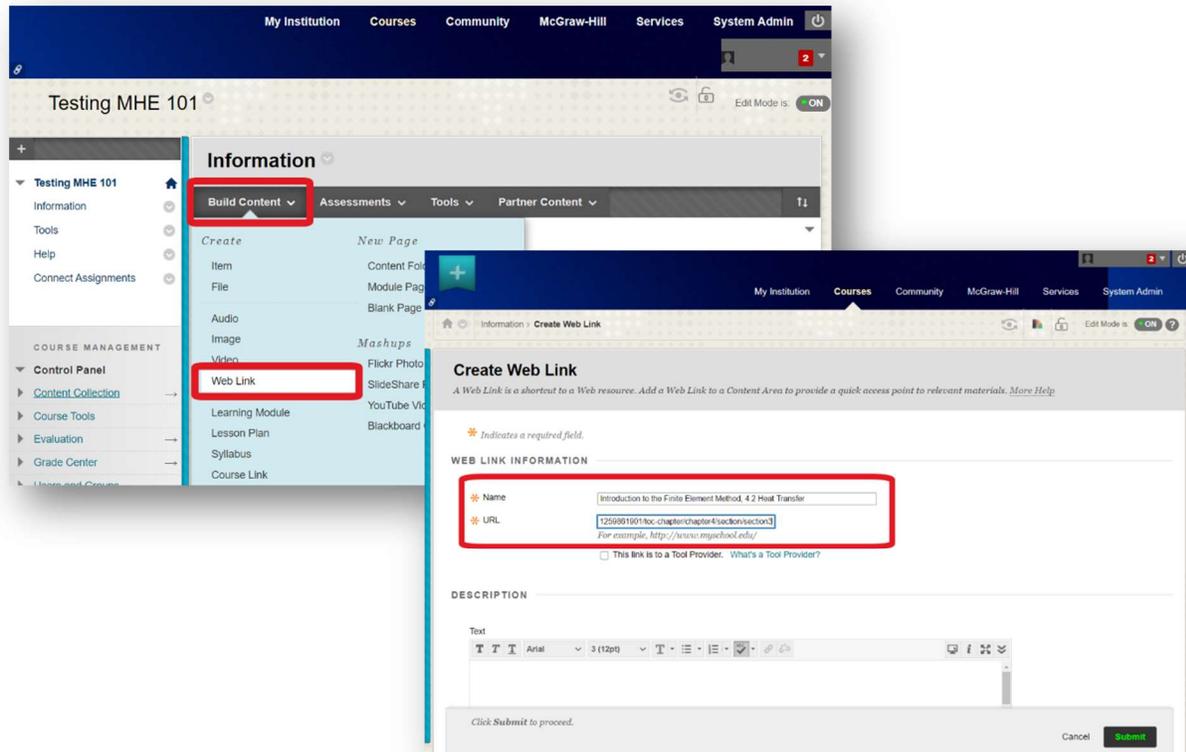
Comparison Last modified: Dec 08 2020 Created: Dec 08 2020

Glass Transition Temperature (°C) vs Melting Temperature (°C)

Transition Temperature (°C) (Linear / Log)

2. Sharing Durable URLs via your Learning Management System (LMS)

Once you have copied the links to the content of interest, it is easy to share through your LMS. The below screenshot shows an example of adding a link in Blackboard.



To share with users connected to the institution's IP network (either on campus or through VPN), use the link provided by the "Link" button. Students will be authenticated through their IP address and have access to all content on AccessEngineering.

To share with remote users, use link provide by the "Proxy Link" button. This will prompt students to log in with institutional credentials to gain access to the content.

To share a link in your LMS course that will work for remote and on-campus students:

- Contact Customer Success (customersuccess@mheducation.com) to confirm that your LMS site has been set up correctly in our system.
- Provide your institution's name and the link for your course in your email.
- When students click on the link to AccessEngineering content from within your LMS course, they will be automatically authenticated on the site and have access to all content without needing to log in again.

If you have questions or need additional assistance, please contact McGraw Hill's Customer Success team at customersuccess@mheducation.com.