Agenda

• About Knovel
• What content is in Knovel for SWU users
• Who is using Knovel for Teaching & Learning
• Key Features & Highlights
  • Search Optimized for Engineers and Scientists
  • Data Search & Data Analysis Tools integrated into Engineering Workflow
  • Interactive Tools – Graph Digitizer & Equation Plotter
• My Knovel ToGo – Mobile Tablet Reader
The work of engineers demands direct access to answers, when and how they need it. **Knovel** provides just that.

- Magnifies the impact of research and teaching programs
- Facilitates collaboration with external private and public partners
- Boosts competitive edge for grants, patents, collaborations
- Strengthens institutional reputation and talent recruitment
- Successfully prepares students for jobs in academia or industry
- Teaches modern information literacy and efficiency skills
About Knovel

Knovel is a web-based application integrating technical information with analytical & search tools which drive innovation and deliver answers engineers can trust.

Content Coverage:
- Reference Books
- Conference Proceedings
- Major Reference Works
- Dictionary/Encyclopedia
- Engineering Cases
- Graphs/Tables
- Equations
Broatest Quality Content from Relevant Sources

- Established, accepted science sourced from 120+ recognized societies & publishing partners
- Stringent selection process supported by Editorial Advisory Board
Knovel drives improvements that deliver answers your way

**2017-2018**

- **MORE CONTENT**
  - 15% content growth
  - 400 new interactive worksheets
  - 2M new searchable and interactive data points
  - 1000 new resources
  - An expanded, international network

- **MORE DISCOVERABLE**
  - Smart taxonomy tools & tagging
  - Enhanced experience on tablets
  - Improved integration to your discovery service

**2019**

- **ANSWERS YOU TRUST**
  - Added >280 time-tested references from Wiley that you know and trust
  - Activated content of these references in dynamic tables, graphs & formulas

- **ANSWERS ANYWHERE**
  - Introduced My Knovel ToGo so you can take answers wherever you go

- **A NEW USER EXPERIENCE**
  - Knovel drives improvements that deliver answers your way
Over 140 trusted and diversified content sources
New Publishing Partners in 2018 and Beyond - Knovel
Depth and breadth of engineering topics to allow discovery and problem solving

- Adhesives, Coatings, Sealants & Inks
- Aerospace & Radar Technology
- Biochemistry, Biology & Biotechnology
- Ceramics & Ceramic Engineering
- Chemistry & Chemical Engineering
- Civil Engineering & Construction Materials
- Composites
- Computer Hardware Engineering
- Earth Sciences
- Electrical & Power Engineering
- Electronics & Semiconductors
- Engineering Management & Leadership
- Environment & Environmental Engineering
- Fire Protection Engineering & Emergency Response
- Food Science
- General Engineering & Project Administration
- Industrial Engineering & Operations Management
- Manufacturing Engineering
- Marine Engineering & Naval Architecture
- Mechanics & Mechanical Engineering
- Metals & Metallurgy
- Mining Engineering & Extractive Metallurgy
- Nanotechnology
- Nondestructive Testing & Evaluation
- Oil & Gas Engineering
- Optics & Photonics
- Pharmaceuticals, Cosmetics & Toiletries
- Plastics & Rubber
- Process Design, Control & Automation
- Safety & Industrial Hygiene
- Software Engineering
- Sustainable Energy & Development
- Textiles
- Transportation Engineering
- Welding Engineering & Materials Joining
Broadest Quality Content from Relevant Sources

- Finds data, hidden in tables, graphs, and equations
- "Understands" engineering language
- Allows numeric range search

Search Optimized for Engineers

- Established, accepted science sourced from 120+ recognized societies & publishing partners
- Stringent selection process supported by Editorial Advisory Board
A proven problem solving resource for Industry

• Hundreds of thousands of Engineers Worldwide use Knovel
• 74 of Fortune 500 companies
• “Top 10” engineering firms in Oil & Gas, Specialty Chemical, Aerospace & Defense and Engineering Design & Construction
Students can solve realistic problem like a real engineer

- Nearly 500 Institutions in 50+ countries
- 20 of Top 24 US Engineering Schools & 31 of the top 50 World’s Best Universities for Mechanical, Aeronautical, & Manufacturing Engineering
- Embraced by academic institutions of all sizes.
Students can solve realistic problem like a real engineer
(Universities in the Philippines embracing Knovel as part of their research & education curriculum in engineering):

Chulalongkorn University
Pillar of the Kingdom

Asian Institute of Technology

Suranaree University of Technology

Kasetsart University

Srinakharinwirot University
Broadest Quality Content from Relevant Sources

- Finds data, hidden in tables, graphs, and equations
- “Understands” engineering language
- Allows numeric range search

Interactive non-text content come “alive”
- More than 100,000 interactive tables, graphs and equations
- Customize and manipulate data as easily as sorting a spreadsheet
- Data Export preserves format and documents data source
‘Smart’ Content and Analytics: Engineering search capabilities and analytical tools enable users to discover new insights and related information, deepening the value they get from Knovel.

Knovel’s interactive content and productivity tools:

- Easy-to-use tools for initial calculations and information validation
- More than 100,000 interactive tables, graphs and equations
- Customize and manipulate data as easily as sorting a spreadsheet
- Digitize one or more curves by plotting points on a graph
Figure 10. Number of corrosion pits in anodized ... from Corrosion of Aluminum and Aluminum Alloys.
Explore Knovel
https://app.knovel.com
The new Knovel’s Home page

1. Quicker access to Knovel’s deep problem solving capabilities, with tools meant to provide answers tailored to your specifications and needs

2. More prominence and usability for data-related searches to solve property-related problems (e.g. corrosion, material selection, etc)

3. More visual and informative homepage meant to clarify Knovel’s value for first-time users and keep them engaged
How to Register for a Knovel account

My Knovel is a personal space where you can organize your favorite titles, frequently used search queries and the content you need to complete your projects.

- Access to subscribed content of your institution (off-campus access)
- Share content with your peers through perm-link
- Mobile App – Available on Android and iTune
Create Shared Folders: This allows you to share your saved content with your peers/students/project groups
Search – Intelligent search capabilities for fast answers

1. Enter your search query using keywords, phrases, or syntax like Boolean operators. You can share Search Results with your peers.

2. Search results can be refined by taxonomy – based concepts that help filter the results you need.

3. Automatic classification of search results allows you to find the type of information you need – Quickly!
Annotate, save and share content

- Display the Table of Contents
- Share with your peers
- Download PDF
- Create Citations
- Add Note – NEW Feature
Interactive Tools – How to search

- Select Material Properties to look for interactive contents including Table & Graph
Knovel offers more than 100,000 interactive objects – allowing you to visualize results, plot points along curves and export images and data for use in reports and designs.

- Allow users to extract X, Y coordinates from normally static graphs
- Create Citations
Answers and insights beyond the classroom door

Extend the reach of technical and application-specific insights into the field or the classroom. Advance research and hands-on training with content on all your mobile devices

- Seamlessly integrate information literacy into classroom or field activities with students
- Carry answers found in Knovel to any touchpoint: field work, review sessions, labs and workshops
- Access full content of up to 20 titles of your choice to use offline at any time
- Quickly view chosen content with your usual Knovel account and at no extra charge

My Knovel ToGo Smartphone App
Knovel offers a unique and powerful learning environment

- Smart and tailored access to trusted, relevant engineering insights that support research and teaching
- Broad disciplinary coverage and intuitive user interface facilitates use across departments and all expertise levels
- Hands-on experience for students in agile information searching, creative problem-solving, real-world engineering
- Exposure to industry best practices, trusted references, and dynamic content that promotes learning
- A system that evolves with students – from academic training to successful engineering careers in academia and industry
Thank You

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