國立交通大學
National Chiao Tung University

Sharing experience on integrating Knovel interactive engineering solutions as part of R&D and learning in National Chiao Tung University

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Outline

- About Knovel
- Proposal Preparation
- Research/Journal Publication
- Course Teaching

About Knovel

- Previously @ ASU: Google Scholar, ResearchGate
- Knovel: introduced by NCTU library

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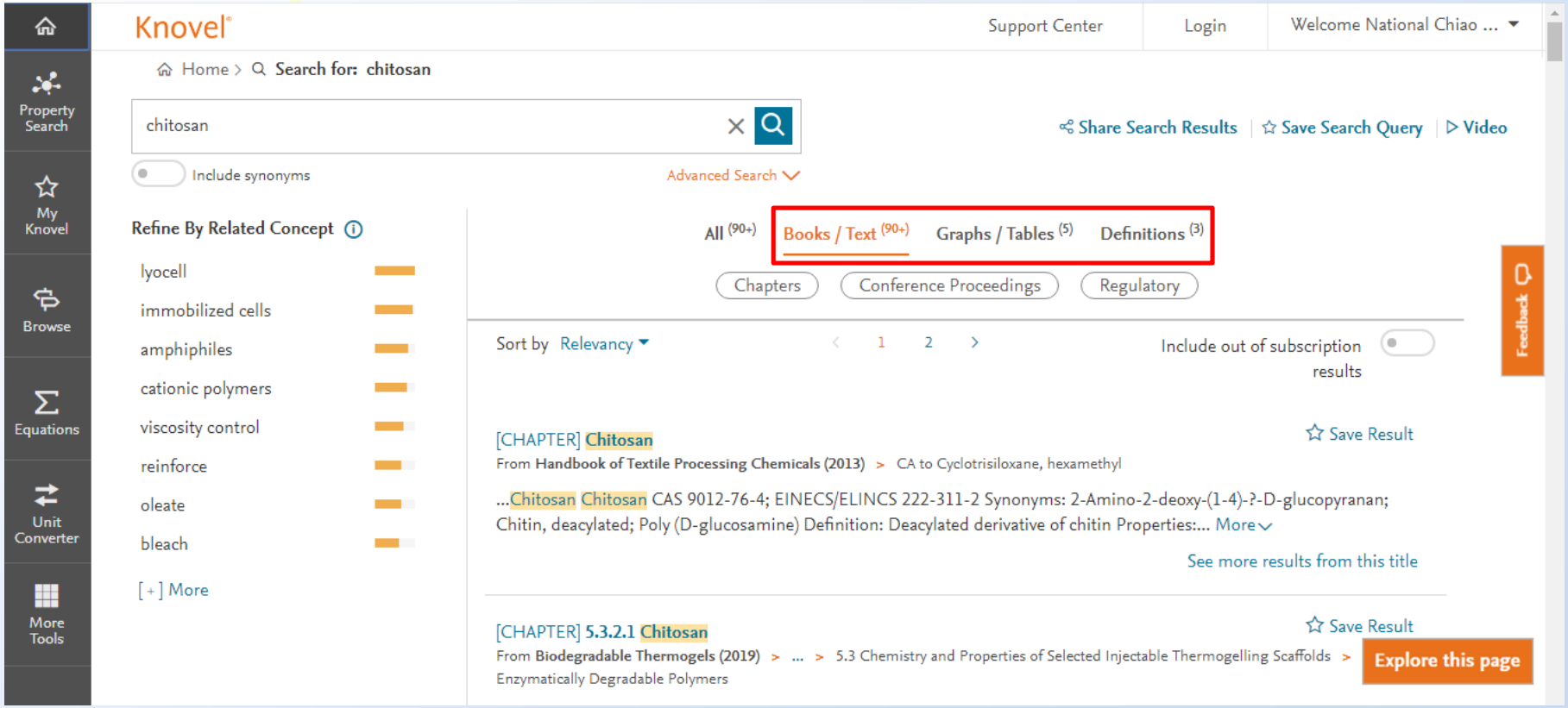
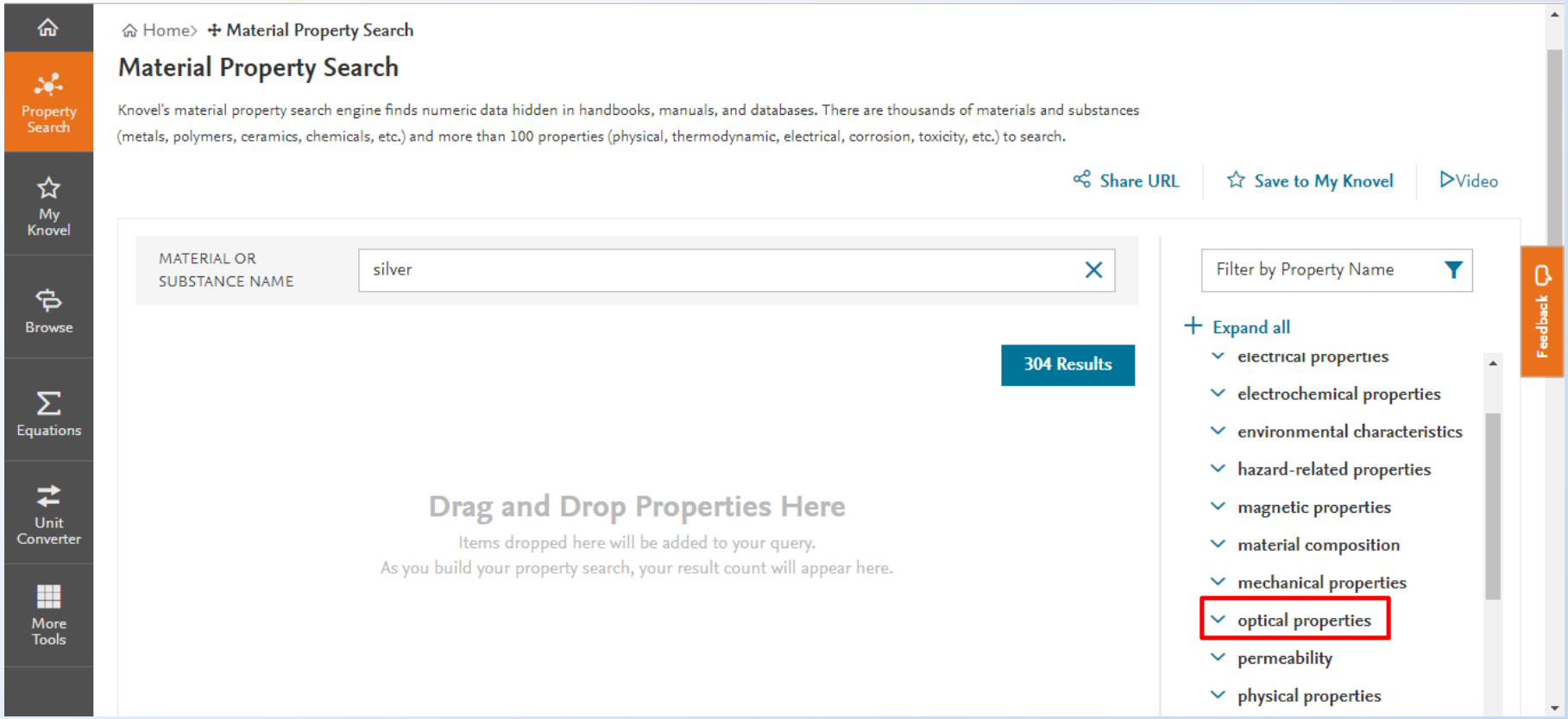
Proposal Preparation

- Search for relative topics: Chitosan
  - Not just title search – finding references



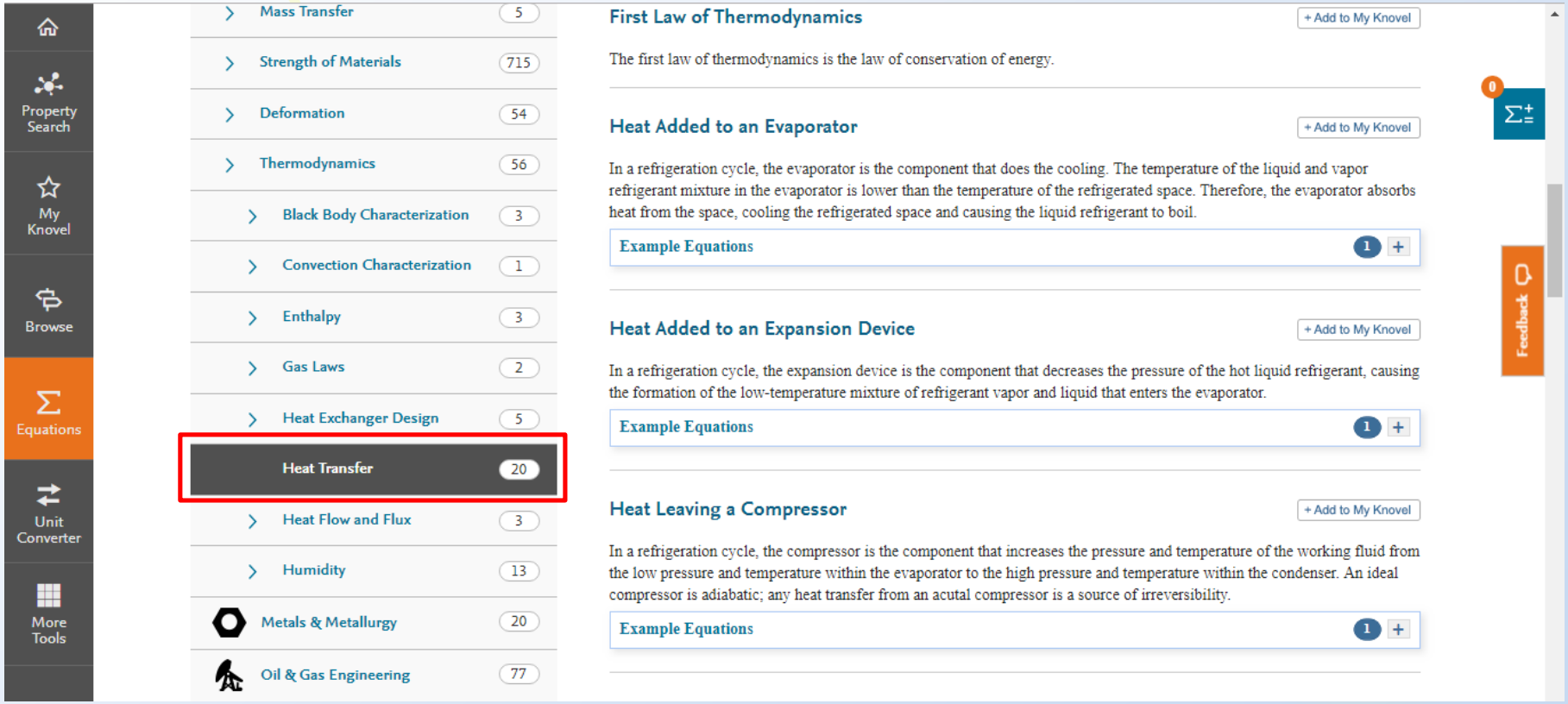
Proposal Preparation

- Search for material properties: Silver
  - All properties available



Proposal Preparation

- Search for relative equations: Heat transfer
  - All relevant equations organized – ideas, references



Proposal Preparation

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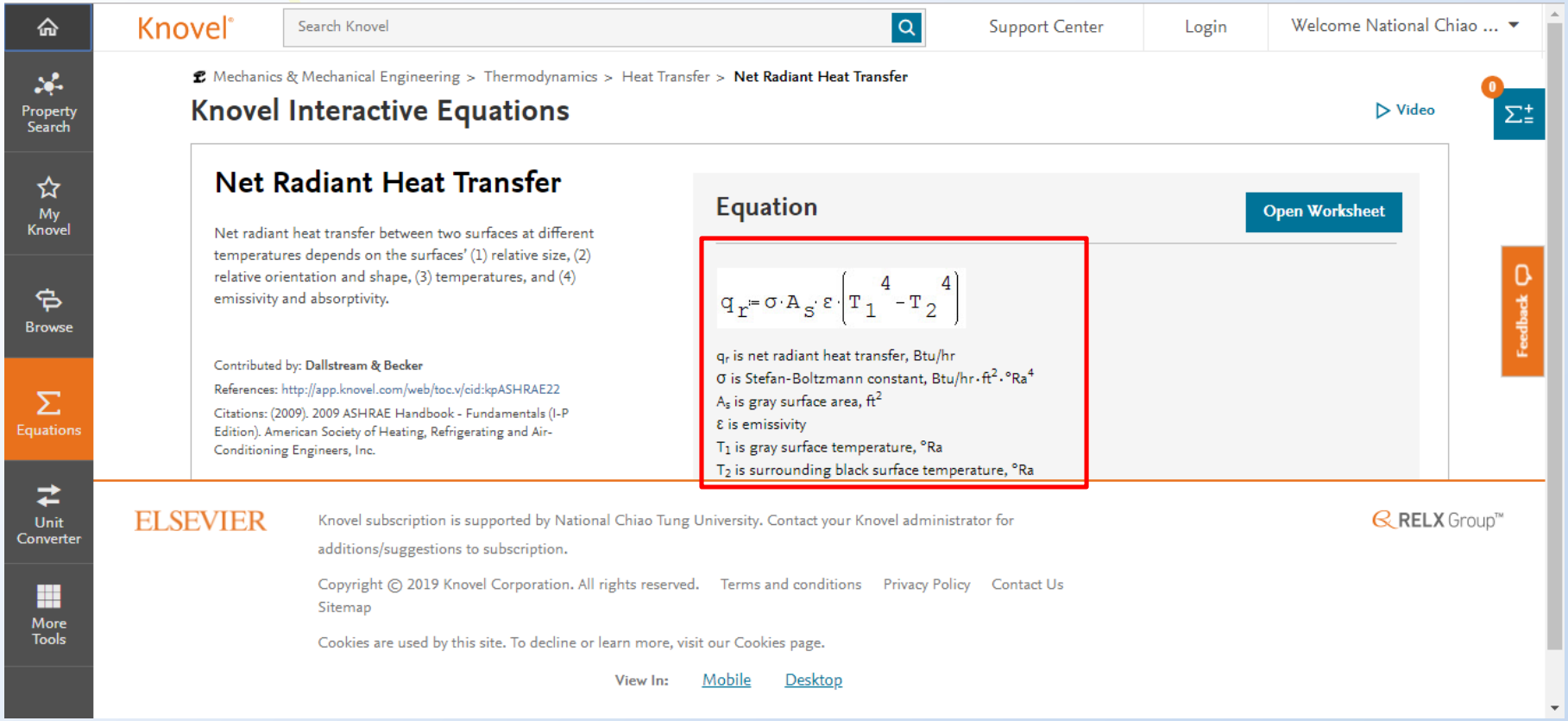

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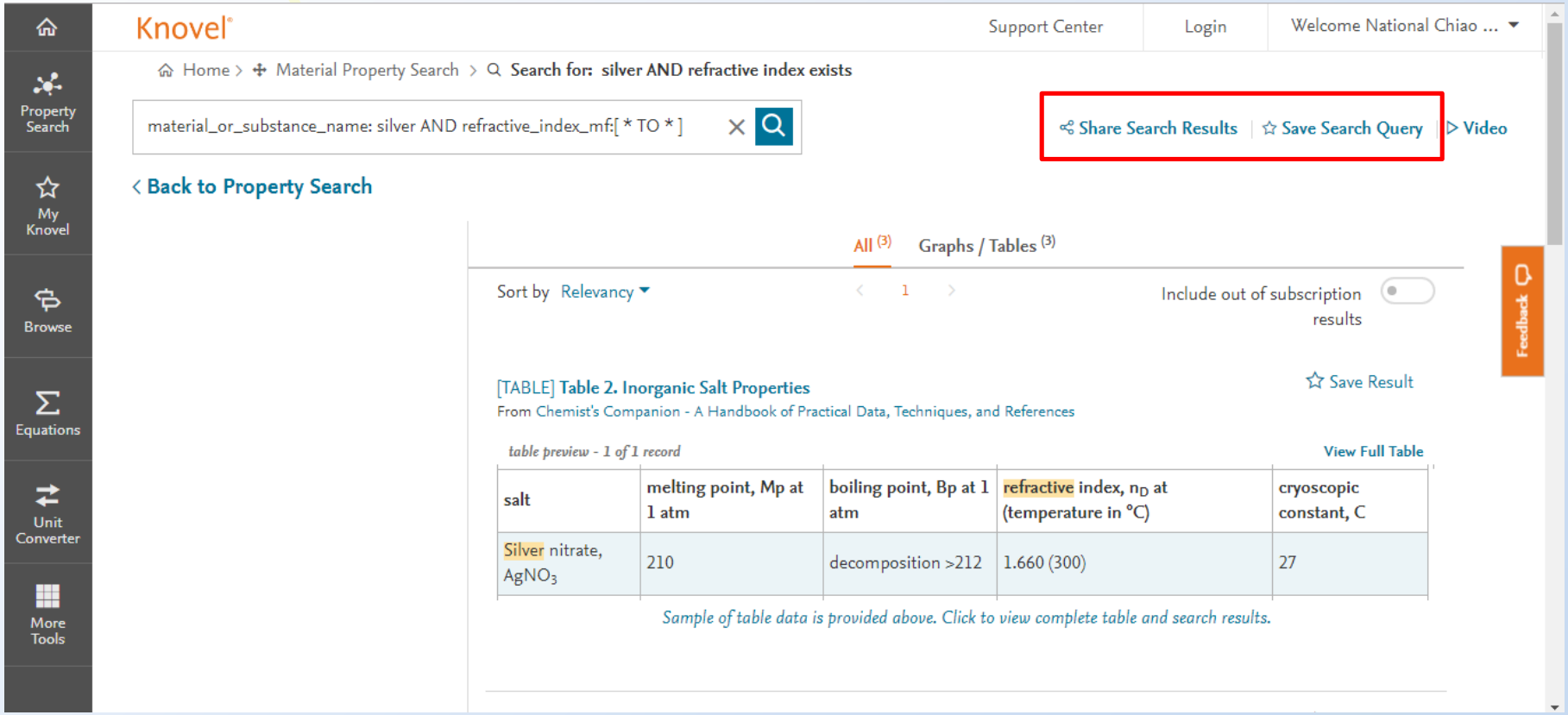
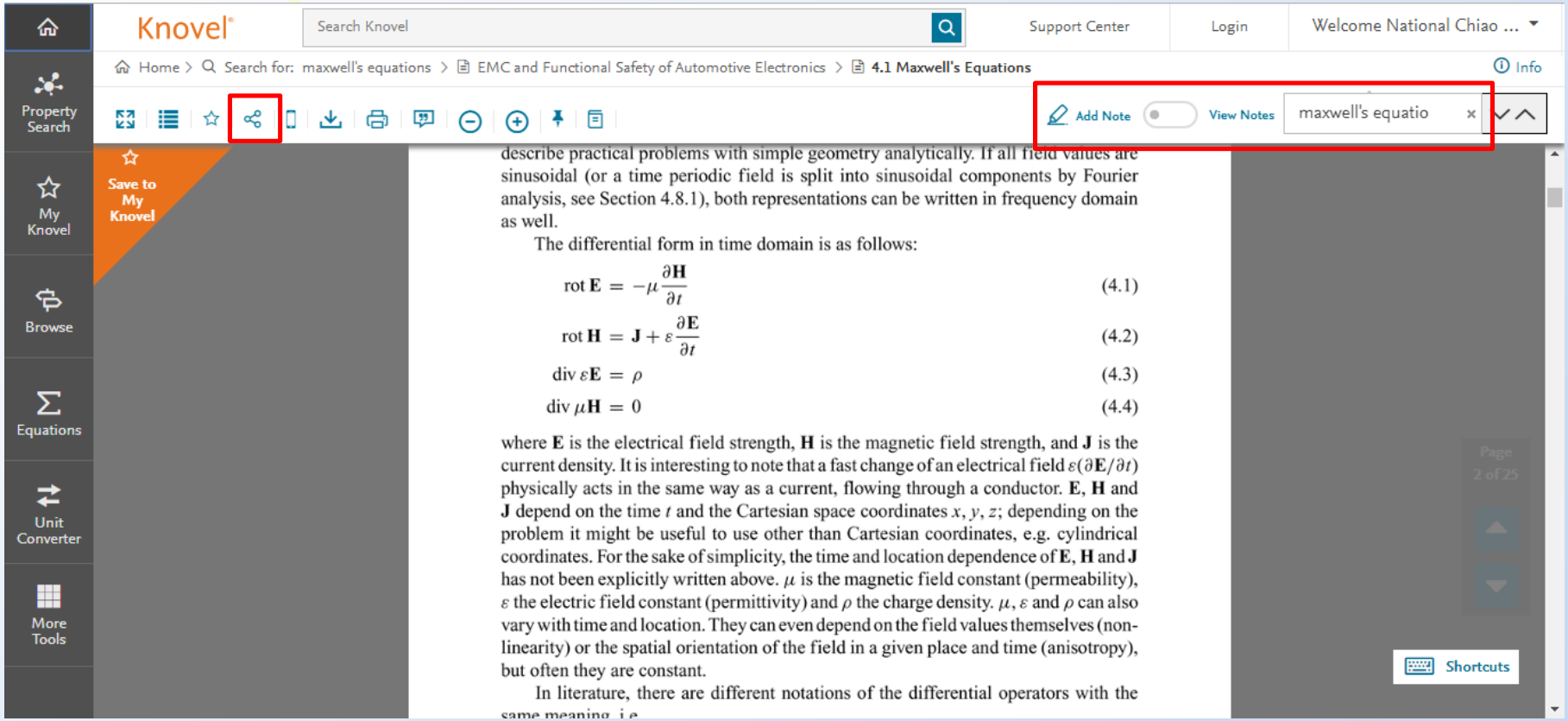
Research/Journal Publication

- Sharing properties, equations, references: Refractive index
  - Between colleagues, students, etc.



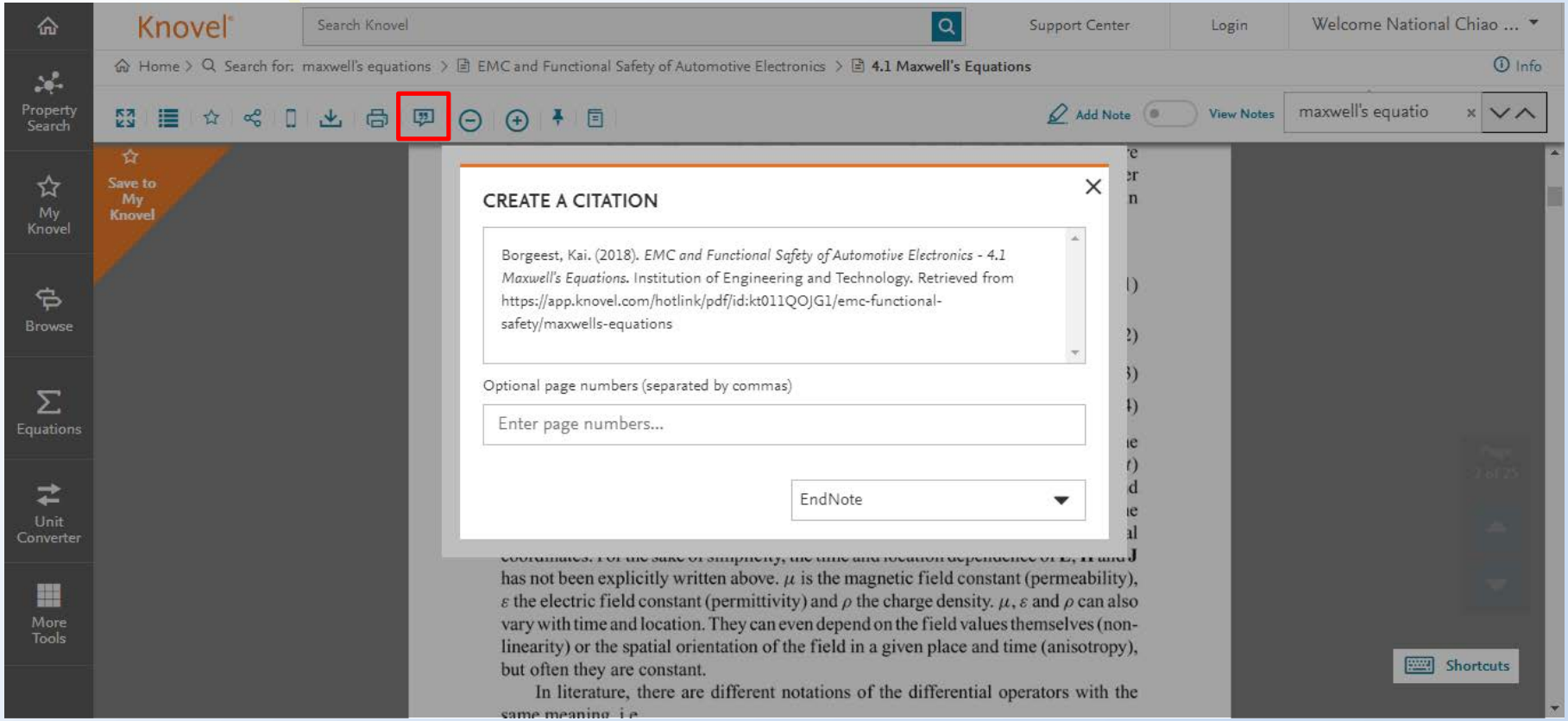
Research/Journal Publication

- Add notes & share with others: Maxwell's equation
  - Between colleagues, students, etc.



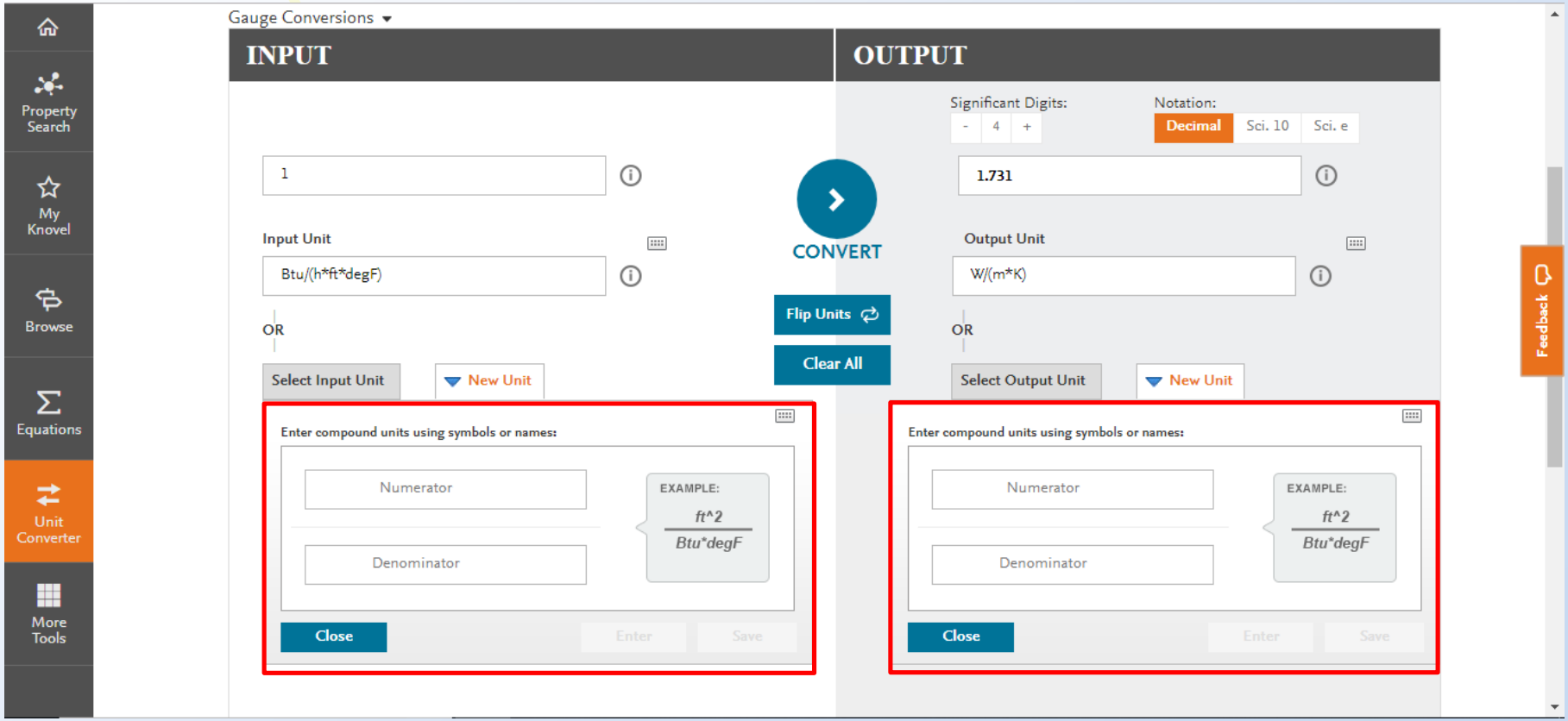
Research/Journal Publication

- Export citations: Maxwell's equation
  - Endnote, Mendeley, Bibtex, ProCite, etc.



Research/Journal Publication

- Unit converter: Thermal conductivity
  - Enter your own units



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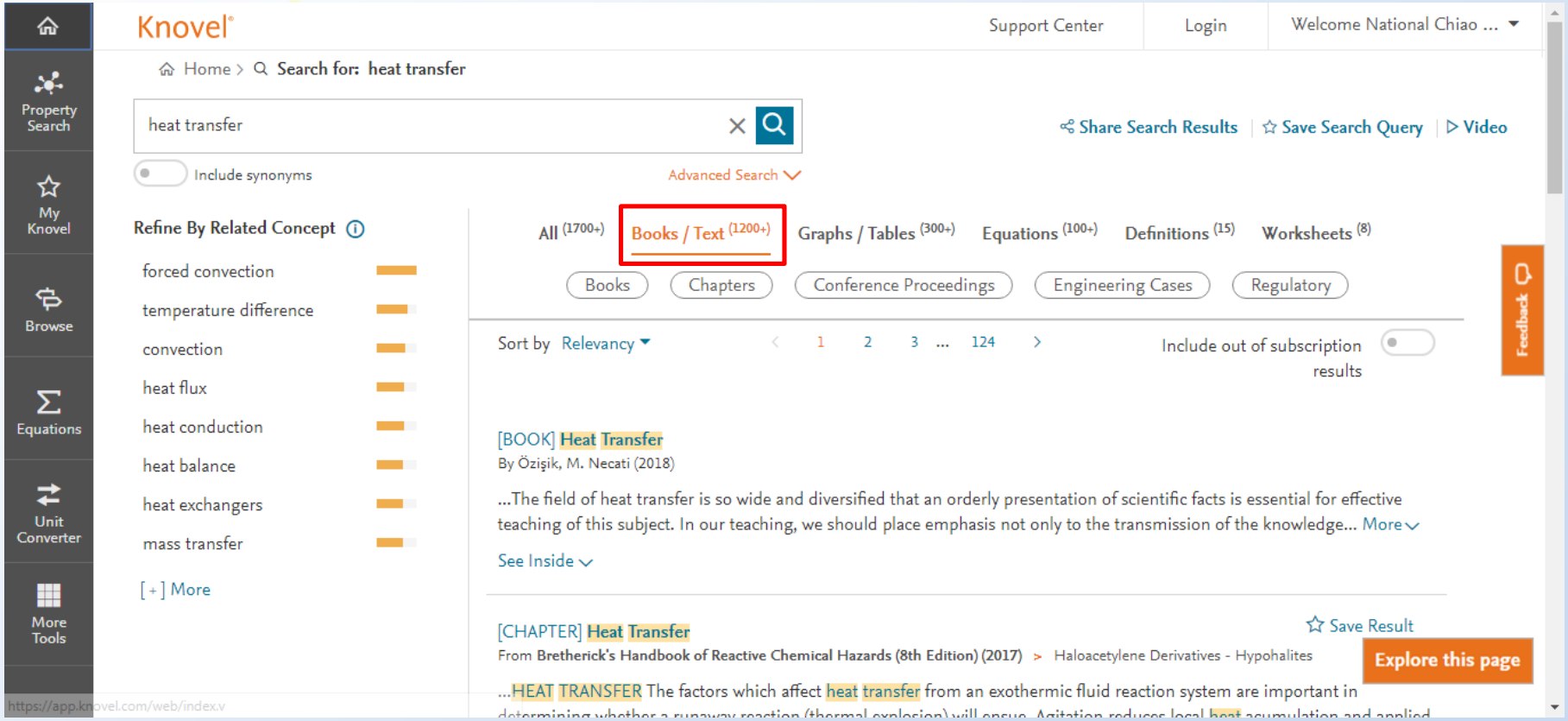
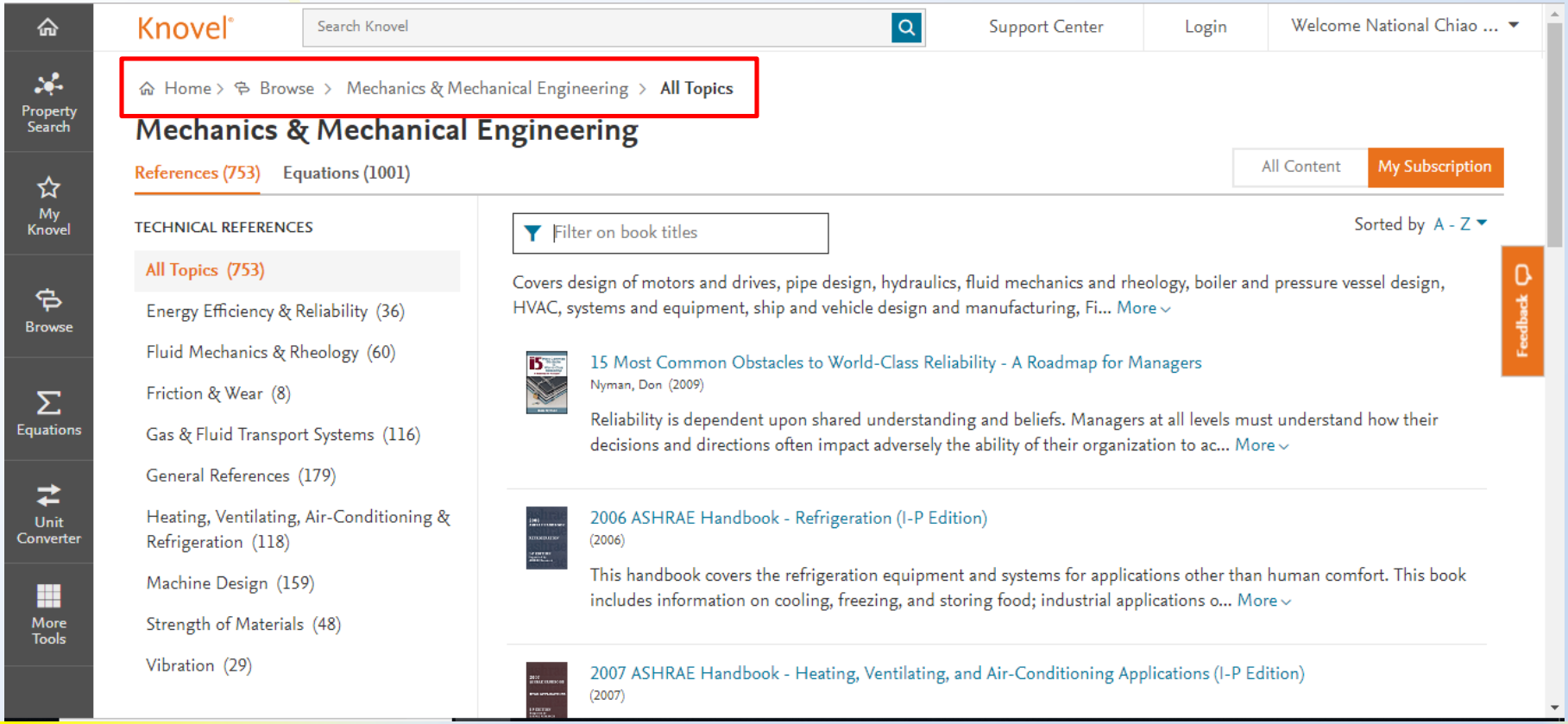
Course Teaching

☼ Text books to refer: Heat transfer



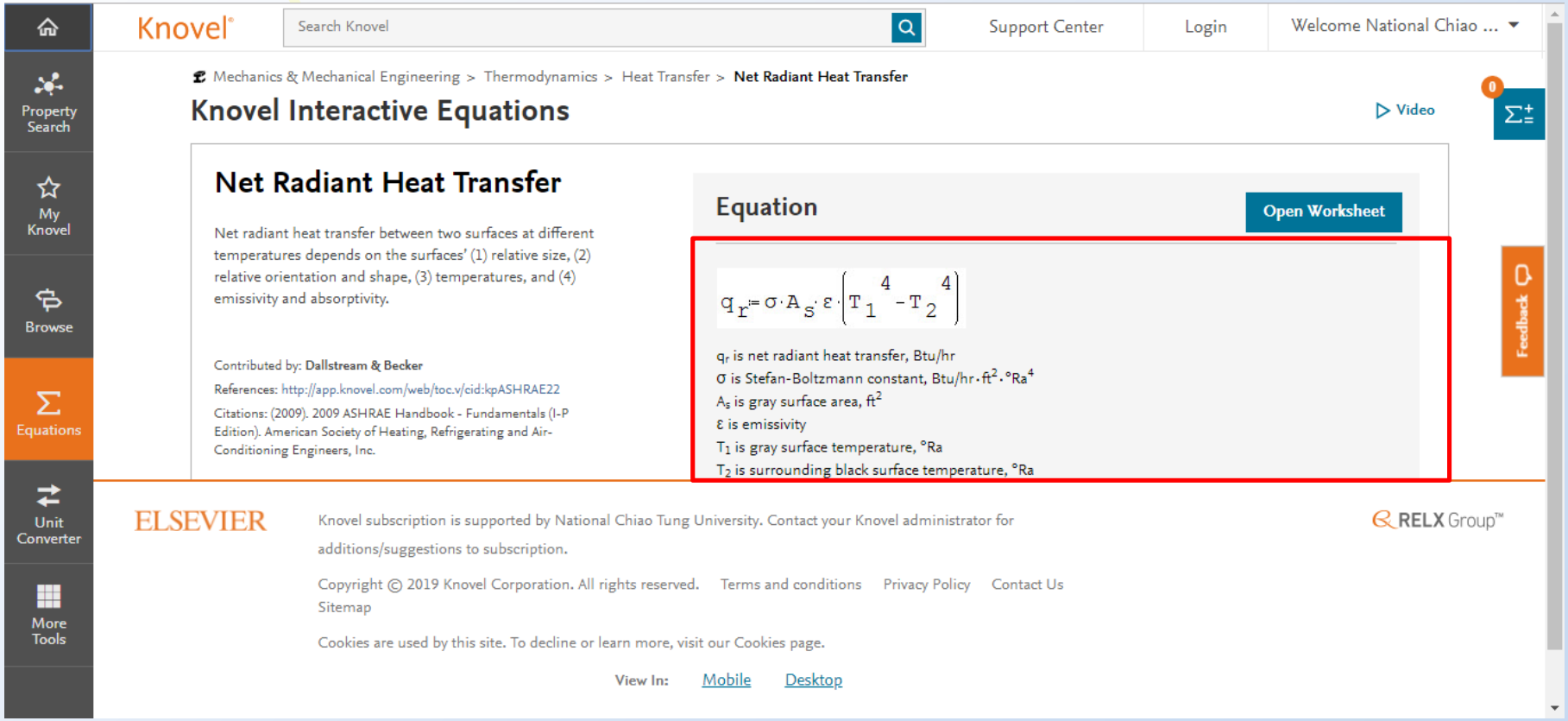
Course Teaching

- Find resources by fields : Mechanical engineering
  - Finding supplemental resources



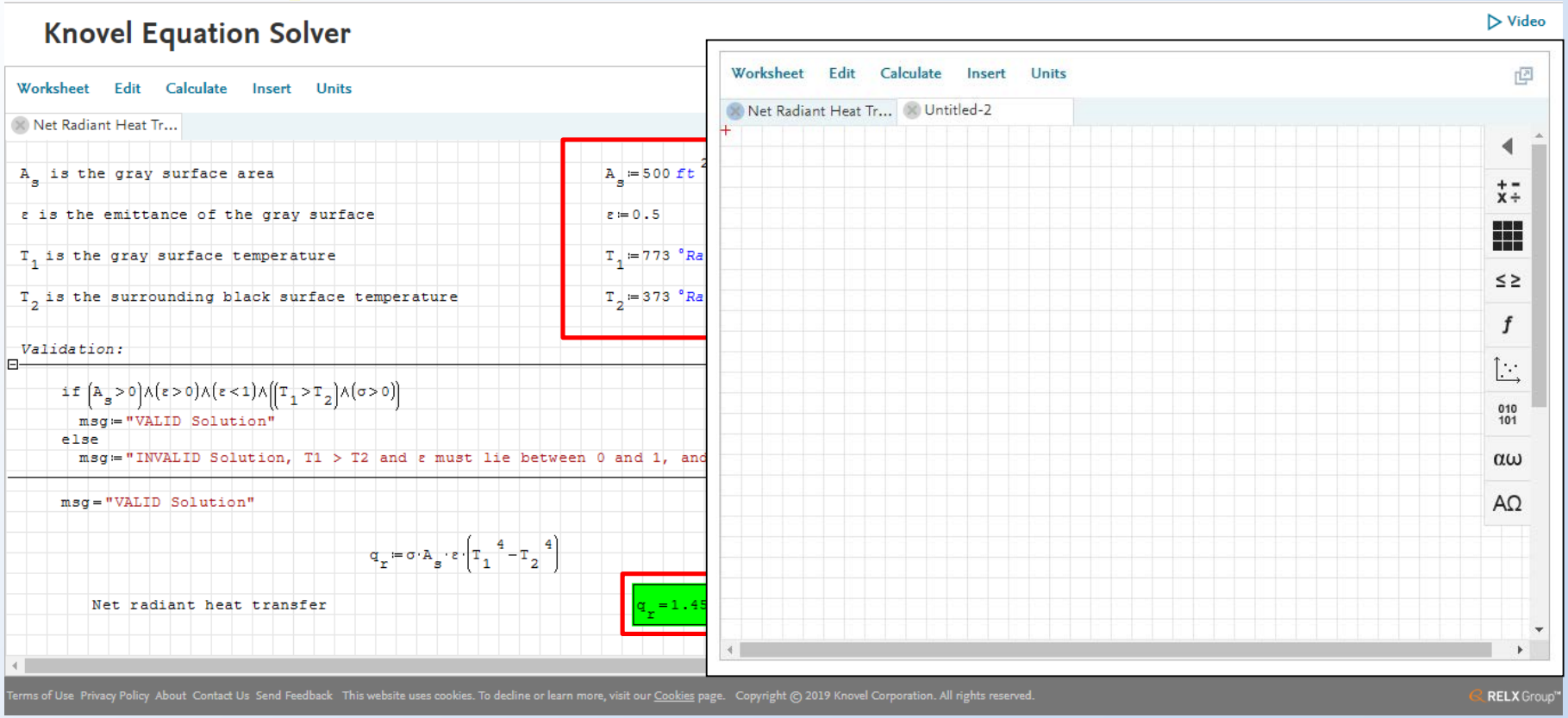
Course Teaching

☼ Equation solver: Radiant heat transfer



Course Teaching

- Equation solver: Radiant heat transfer
  - Enter your own equations



Thank you!