Lecture 22: All's Well That Ends Well

(0) On the final is 62%: 61% breed, 25% Laplace, 10% nonliner

(1) Congratulations! Survived a whirlwind tour of EE!

(2) Next summer: 10-week session 18 weeks of material

(3) Where do you go from here? Hmm... probably

no clear, but here are some possibilities

ME102 → electronics [op-amps]

BSioE → Bioelectronics [circuits]

ChemE → Control of Chemical processes [Laplace]

If you really wanna learn more about EE

1 month, here are some good books

http://nonlinear.eecs.berkeley.edu/bharath/books.ht

CIRCUITS:
   I recommend the older edition because it has excellent material on BJTs and the LM741.
   Great reference book.
   Unfortunately, this book is out of print. However, it explains the mathematics behind circuits very well.

SEMICONDUCTOR PHYSICS RELATED TO CIRCUITS:

MATHEMATICS:
   Thanks to Mehdi from the Distributed Sensing Group for recommending this book to me!
(4) On a concluding note.

[Mathematical models/Tools]

Refine model/tool

Simulate

Refine simulation

Realistic (nonlinear)

i-v relationships, ICCL, KVL

Let's look at this from the perspectives of the research project we are working on.

Ben:?

Not here 😞
Btw, if you are interested in working on any of these projects talk to me after class.  

\[ \text{Remember: KISS} \]
\[ \text{Don't look right of the forest for its trees} \]
\[ \text{Math + reality = human ingenuity rocks!} \]

Good luck!