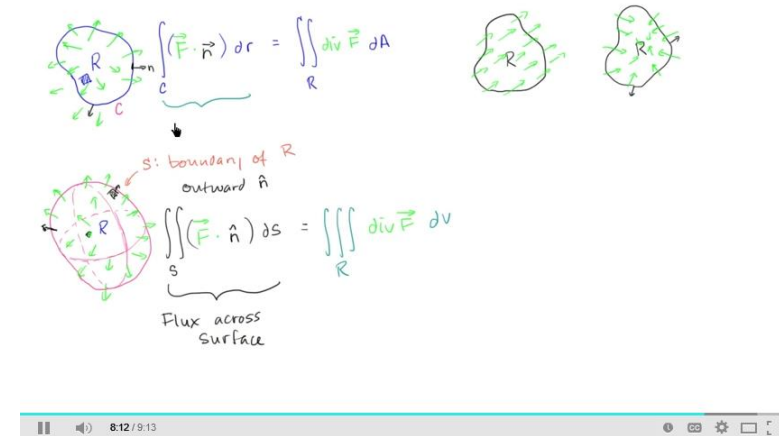# Video Lecture Summarization

Valentina Shin
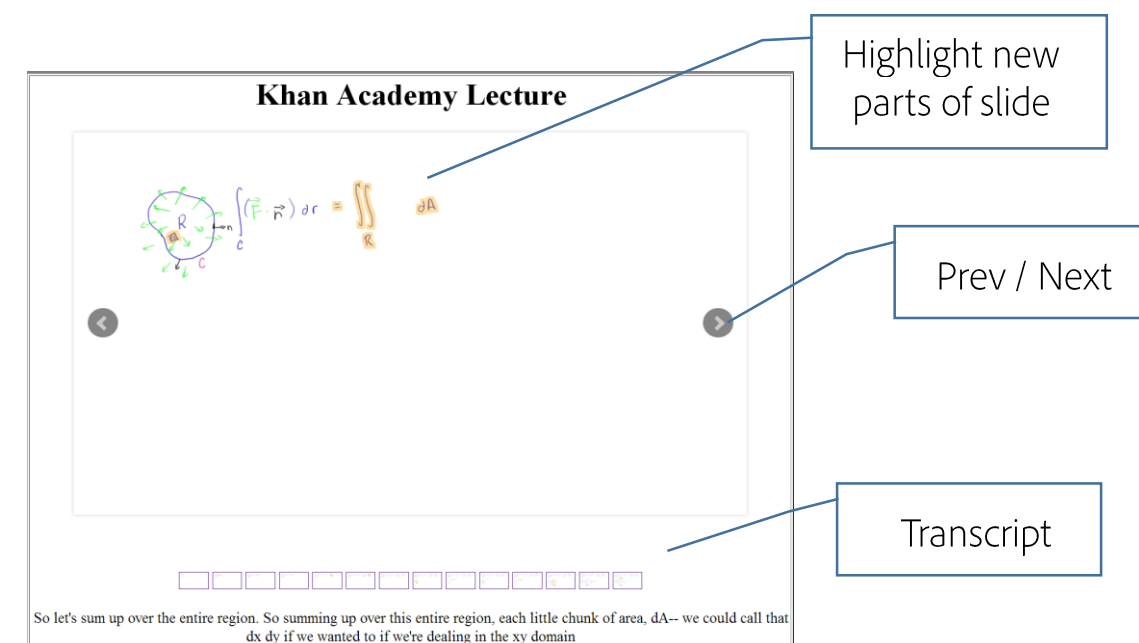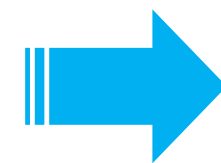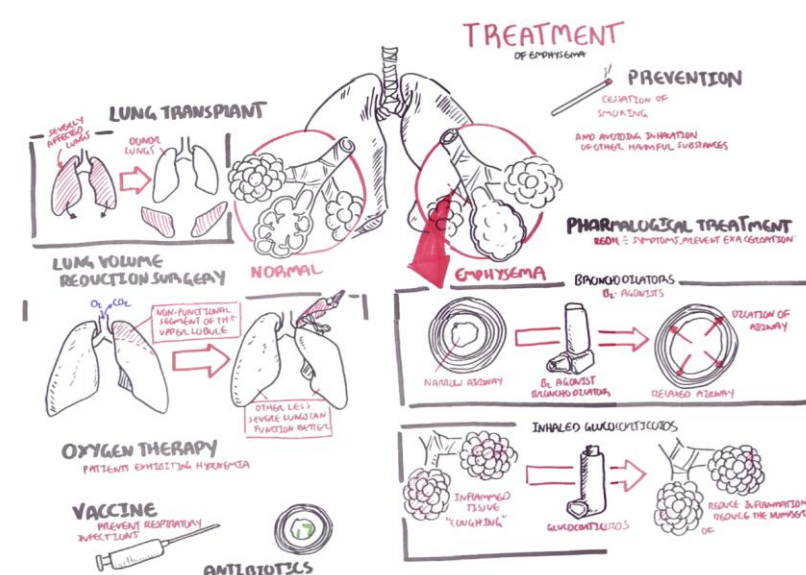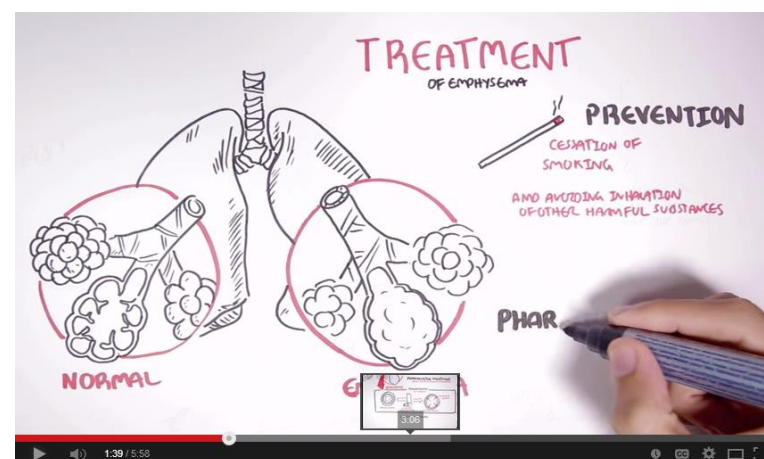advised by Floraine Berthouzoz & Wilmot Li

Abstract

Educational videos are becoming very popular online. So far, content browsing is very limited: either view just the title and the description(if they are provided) or watch the full content. Our goal is to create visual, interactive summaries of educational videos that accommodate different learner tasks and learning styles.

Slide show view

Highlight new parts of slide

Prev / Next

Transcript

Handwritten blackboard style lectures

Panoramic view

Characteristics of visual summary

- Level of detail
- Content dependent structure (hierarchical, sequential, map etc.)
- Interactive

Bonzai: Easier Editing of GoPro Video Footage

Reid Oda, Mira Dontcheva, Eli Shechtman, Michael Rubin

Abstract

GoPro cameras have become very popular for capturing outdoor activities and weekend adventures. There is social value in sharing the footage, but editing the footage can be time consuming, and many people opt to not do it. Our goal is create an editing experience where the user indicates "interesting points" in the video, and the system automatically determines the clip start and end points, as well as a pleasing ordering of the final clips. Using this system, the final video will be completed within minutes, rather than hours or days.