What could Math+YouTube become?

Tutorial-athon

March 5, 2021
What could Math+YouTube become?

- Academia is changing - but how? Can you find ways to invest in yourself and others?
- Disadvantages of YouTube:
  Private company, you are the product, monetization questions, moderate/disable comments
  ^"Translate into Korean and post on my blog."
- Advantages of YouTube:
  Free, convenient, viewership grows over time, learn from YouTube analytics, help make academia more geographically diverse.
(I) Online Seminar

AATRN
Applied Algebraic Topology Research Network

(III) Tutorial-a-thon

(V) Coffee break
Chats on data science

(VI) Maria Gillespie, Rachel Pries: CSU Math channel?

My philosophy: Find a way to record and share the amazing things you already do. No video editing is "allowed"!
Online Seminar, with Sara Kalisnik and Elchanan Solomon

- 1,811 subscribers (tripled in past year)
- 248 videos
- Past year: 13 hours watched per day
- Past month: 24 hours watched per day
- 4% viewership India, 3% Germany, 1% Japan
- 40 minute research talks, 20 minute early career talks
- Tea time
- No budget: Gracious support from CSU Math Zoom, and previously from the IMA
Interviews

Inaugural Interview Series

Sep 30th
1PM ET
Herbert Edelsbrunner
Interviewed by
Dmitriy Morozov

Feb 3rd
11AM ET
Gunnar Carlsson Vin de Silva

Nov 18th
5PM ET
Vanessa Robins
Interviewed by
Elizabeth Braden

Apr 21st
11AM ET
Massimo Pirotta
Interviewed by
Ferri Brandt Bandi

Toeology.im2.umn.edu

Poster by Kris Barz Mendonca
10 minute tutorials by anyone in our community
HOW DOES IT WORK?

**MARCH 10**
Choose the topic of your tutorial and pick a group!

**MARCH 17**
Group meeting: trial run and feedback

**MARCH 24**
Record, cut and send us the result!

**APRIL**
We post your tutorial on the AATRN YouTube channel.
(IV) Public-facing class segments

Math 510, Fall 2020: 53 videos

DSCI 475, Spring 2021: 22 videos so far

Math 366, Spring 2021: 35 videos so far

My personal YouTube channel:
• 140 subscribers (all but 5 new this year)
• 118 videos
• Past year: 1.6 hours watched per day
• Past month: 4 hours watched per day
• 10-20 minute public clips from class
Video release waiver

I grant permission to Henry Adams to post the video and audio that I have contributed during January–May 2021 to his Math 366 YouTube playlist. This includes questions that I ask during the open portions of his talks. Questions that I ask during the “private question” portions of his talks will not be included. If at a later date I ask for a video or part of a video to be removed from his YouTube channel, then Henry Adams will accommodate this request.

Name

_________________________________________

Signature

_________________________________________

Date
Section J. 12.1 of the Faculty Manual has some pretty strong language indicating that "academic materials created by Members on their own initiative in the ordinary course of teaching to meet the reasonable needs of currently enrolled students, including distance or handicapped students, and not involving University Resources, belong to the Member." Based on this statement, I believe unless the academic material was specifically commissioned by the University or developed using university resources, then the copyright for the videos belongs to the faculty who created the videos. The definition of University Resources is in Section J.2, if you want a better idea of what that means; it does state that "University Resources shall not include the Member’s time, use of the library, or use of personal office including any office computer or data processor located therein." With that in mind, it's likely that if you created the videos, they belong to you.
Coffee break chats on data science

Ongoing experiment that so far has included:
- Lara Kassab, Michael Moy, Christina Rigsby
- Kelly Emmrich, Rolando Ramos, Adam Jaffe, Samir Chowdhury
- Bashir Harrell, Crystal Chen, Ewo Harrell, Lander Ver Hoef, Samir Chowdhury
Maria Gillespie, Rachel Pries: CSU Math channel?
Thanks for your time and attention!

For my slides, please see https://www.math.colostate.edu/~adams/talks/Math+YouTube.pdf.

For links corresponding to various sections of my talk, please see:
(I) Online seminar, see https://www.youtube.com/c/AppliedAlgebraicTopologyNetwork and https://topology.ima.umn.edu/seminars
(II) Interviews, see https://www.math.colostate.edu/~adams/AATRN-InterviewSeriesPoster-2020-2021.jpg
(III) Tutorial-a-thon, see https://sites.google.com/view/aatrn-tutorial-a-thon
(IV) Public-facing class segments, see the videos at the top of the webpages https://www.math.colostate.edu/~adams/teaching/dsci475spr2021/ and https://www.math.colostate.edu/~adams/teaching/math366spr2021/