TEXAS STATE UNIVERSITY

The rising STAR *of Texas*

Experiences with flipping the class

Dr. Anton Dochtermann
Mathematics Department, Texas State University

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Abstract: While at the University of Texas 2014-16 I taught a couple of Calculus classes that were `flipped': students watched videos at home that delivered most of the content for the class and we spent the `lecture' time discussing examples, with students providing solutions at the board. Along with other faculty members I also helped developed curriculum material designed to streamline the process for new faculty hires, postdocs, etc. For the most part I thought it went well and I was interested in pursuing something like this at Texas State, but I wondered what the feeling was here (especially) among the Math Ed folks. In this hour, I will present the approach we took at UT (via an example or two) and also discuss the pros and cons of my experience there. Mostly I want this to be a discussion so I'm hoping everyone brings questions/opinions/ideas.

Anton Dochtermann is an assistant professor in the math department at Texas State, hired in 2016. He received his PhD from the University of Washington and held postdoctoral positions at TU Berlin, Stanford, U Miami, and UT. His research is in the fields of geometric combinatorics and combinatorial commutative algebra, and he enjoys teaching a variety of math classes at the undergraduate and graduate levels.