

December 15, 2015

Dear UTMOST Project:

I am very interested in participating in the Sage-based Algebra (or Linear Algebra) project.

I have taught Algebra many times in my 24 years at the University of San Francisco, have used Judson's text (in Fall 2013), and have used Sage with great enthusiasm since 2012 (locally on my computer, and online both with SageMathCloud and the earlier `sagenb.org` implementation). Although I did not use Sage much with algebra in the past, I used SageMathCloud daily in my number theory course last spring. I have also used Sage extensively with middle and high school students and their teachers in many math circles. I teach our departmental colloquium class (i.e., attend talks and get credit by writing a report), and have used SageMathCloud to help a significant proportion of our undergraduates master  $\text{\LaTeX}$ .

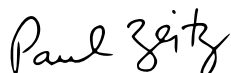
I moved over to Sage about 4 years ago from Mathematica, which I had used extensively in computationally-heavy courses like number theory and differential equations. I was attracted to Sage for the obvious reasons: ease of use and sharing, free and open-source, excellent (now) cloud resources.

Although I consider myself to be an experienced user of Sage, I am not an "expert," and would love to join a community of mathematicians and teachers who use it seriously for both teaching and research.

I am the department chairman, and can guarantee that I will be able to teach algebra every year during the 2017–18 and 2018–19 academic years (most likely in the spring semester of each year). I am keen to use Sage with algebra rather than linear algebra; I have never taught the latter and have a keen computational interest in the former.

About my institution: USF is a Jesuit university with the department of mathematics and statistics housed inside a medium-sized college of arts and sciences. We have no graduate students. Our student body is quite diverse, with many international students, many first-generation college students, and a large and growing Latino student body. We graduate about two dozen mathematics and data science students every year, and our graduates go on to a variety of careers, including teaching, tech, big data/analytics, and doctoral programs in math, physics, and computer science.

Sincerely,



Paul Zeitz, Ph.D.  
Professor and Chair, Mathematics