

- Goals:
- Exploring the different GTA preparation strategies along with their measured effectiveness
- Provide info to allow institutions to review and select the best strategies of GTA prep that suit the needs of their students in creating motivated and effective teachers

External/Internal Preparation

External preparation (outside department) limited to a singular 3-hour session without measurement of effectiveness in one respondent school

Internal preparation (inside department) usually occurs the week before the start of the semester

- Diversity among who runs the program: tenuretrack faculty, grad students, etc.
- Effectiveness was measured by direct observation of GTA's, teaching evaluations from students, and GTA satisfaction surveys
- Respondents A and B:
 - Covered pedagogy as well as course content
 - Have continual trainings/meetings/feedback throughout the term

A National Survey of Physics Graduate TA Preparation

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- o. Expert/novice issues in the physics classroom
- p. How to develop engaging explanations

- ff. Time management
- gg. Other: [free response]



Likert Analysis

ondents	Α	В	С
neral, our graduate ents arrive at our rtment already prepared to teach.	Neutral	Agree	Disagree
neral, our graduate ents do an excellent job the ime they work as GTAs.	Strongly Agree	Agree	Disagree
neral, our graduate ents value the experience aching as part of their essional development as cists.	Strongly Agree	Agree	Disagree
neral, our graduate ents feel confident in their ing skills when they enter lassroom as first-time	Agree	Neutral	Disagree
neral, our undergraduates atisfied with the ational experience they ve from our first-time GTAs.	Strongly Agree	Agree	Agree
e is no need for our rtment to provide ional discipline-based aration for our GTAs.	Strongly Disagree	Neutral	Strongly Disagree

Discussion and Future Investigations

Majority of schools utilize GTAs to aide in undergraduate courses, and the majority require training

Higher satisfaction with GTA preparation is correlated with continual training/feedback that discusses more aspects of both content and pedagogy

Complete Nationwide Survey with More Extensive Questions