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Organization: University of Texas at Dallas

Panel Summary #1

Proposal Number: 1800700

Panel Summary:

Panel Summary

Intellectual merit:

The focus of this proposal is on minuscule K-theoretic Schubert calculus, Macdonald polynomial theory, and Coxeter-Catalan combinatorics. The projects on the whole seem to be of great intellectual merit, but were generally difficult to evaluate as not enough detail was given. The panel uniformly felt that 19 problems listed in rapid succession was too many, and wanted to see more detail about fewer problems. The PI has a big-picture view of the subject, and should do more to bring that to future proposals. (Certainly, the "other projects" section could be cut. Also a more specific proposal title would be more useful for directing the proposal toward the right panelists.)

Broader impacts:

The PI was just hired as the only combinatorialist at Dallas. He has REU mentorship experience, has been supervising a thesis, organizing a grad student conference and an AIM conference, is getting a grad student, and wants to create an AWM student chapter in Dallas. In short, his broader impacts were near the top of those considered by the panel for PIs of this career stage.

For these reasons, the panel placed the proposal in the "fund if possible" category.

The summary was read by the panel and the panel concurred that the summary accurately reflects the panel discussion.

Panel Recommendation: Fund If Possible

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