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## Proposal Panel 1 : 2246877

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Agency Name: National Science Foundation

Agency Tracking Number: **2246877**

### Panel Summary

Panel Summary

Intellectual merit:

The proposal builds on important recent results in the area of Coxeter-Catalan combinatorics, including a uniform approach to counting non-crossing objects. This represents new tools in the area.

The PI is a solid and established researcher, with a good publication record and papers published in good journals.

The proposal thus makes a good case that interesting results can be expected from this project.

Broader impacts:

The PI is editor of Annals of Combinatorics. The PI has graduated one phd student and would like to advise more graduate students. The PI has supervised REU projects. The PI plans to organize a yearly online workshop to bring together graduate and undergraduate students. Finally, the PI is working on an interactive textbook.

The panel found the broader impacts were above average.

The panel placed the proposal in the "Recommended" category.

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

**PANEL RECOMMENDATION:** Recommended



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