An Investigation into the Relationships between Dinv, Area, and Bounce Statistics of Dyck Paths

David

- Your announciation and pacing is great. You strike a great balance between enthusiasm and measuredness.
- I love the jovial comments/interjections, like when you asked the audience to say the Dyck word corresponding to a displayed path.
- Would have appreciated a bit more exposition on Dyck path to Tableau association.

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Charlie

- I like the placing of equidistribution of bounce and dinv very close to the start of the talk. Sets up a good expectation of the content going forwards.
- I am glad you went pretty liesurely through the example for area statistic vector.
- Thank you for giving an intuition ("jaggedness") behind Dinv, as the formal definition is a pretty unintuitive (not your fault)
- I'm not a fan of the amount of slide backscrolling you did when you were explaining bounce examples.
- the last example you gave was frickin awesome cuz the diagram has all the info on it. Your diagrams are awesome.
- Nice humor with the equidistribution for bounce-area theorem.
- Coin visualizations are amazing. Y'all are TikZ gods. It also really well explains the area only going up by at most 1 but going down by anything.
- Coin example got very fuzzy

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Brendan

- I like that you used prepared boardwriting to explain $inv + area = \binom{n}{2}$, it helped get away from the monotony of slides.
- Sometimes you spoke a bit too fast for me to catch. Not that heinous but definitely noticable.
- I couldn't catch some things from the board since you erased them really fast.
- Your pace when you started on the conjectural slides part is great.
- You seem to have really good command over the broad strokes and history of the problem.
- I like that you show Insertion/Deletion doesnt work with an explicit counterexample, hints towards the true complexity of this problem.
- You are very well paced with going through slide examples, I was able to completely follow.

From Monomials to Grothendiecks

Anthony

- I'm glad you started right off with the goal of the talk, and going through history. Made it very clear what's novel and what is not.
- Overview definitely helped me follow.
- You talked a bit fast for my ears. I understand this is probably needed as there are a bunch of definitions to get through.
- The pictorial parts of definitions helped me a lot with understanding.

From Monomials to Grothendiecks

Samir

- Good pacing with definitions, not too fast and not too slow.
- It's nice that you mentioned and admitted that you didn't cover the inhomogeneity in your previous talk and emphasized it here.
- Initial elegant filling definition was a bit fast but the example cleared up my misunderstanding.
- Good question answers.

From Monomials to Grothendiecks

Russell

- I like the idea of describing the objective by first going through an example computation.
- Diagrams in the computation were very instructive.
- The example gets pretty computational and not as instructive in the end.
- I was actually able to follow the definition of the map $U \mapsto T$, which is crazy because I usually never understand combinatorial arguments in talks. So good job.

From Monomials to Grothendiecks

Christopher

- Perfect pacing.
- Good call on description by example, I can imagine a full formal definition of this map would be very messy.
- I really liked you making the latter half of the example interactive.
- I would have liked if you had more slides, I think you ended up getting much less time than the others.