



International Physicists' Tournament

Grade weight distribution, and third role name and specification

Remote poll - Dec 2023

Background

There were two remaining discussion points from the Decision Assembly 2023 ([link](#)). The first topic is the grading weights distribution, which was approved for the pilot for the IPT 2023 ([remote poll description](#)).

The following distribution has been used in the IPT 2023:

Each jury member shows integer marks from 1 to 10. To reduce the impact of biased extreme grades, the following weighted average is applied. The lowest and highest grades are discarded, The number of discarded grades (possibly none) from each extreme is $[number\ of\ jury/4-1]$, where $[x]$ is the integer part of x . Then, the same number of extreme grades on the lowest and highest tails of the remaining list are given a weight equal to $1 - \{number\ of\ jury/4-1\}$, where $\{x\}$ is the fractional (decimal) part of $\{x\}$.

After the discussion at the Decision Assembly 2023, the alternative distribution with the full elimination of the lowest grade, has been proposed:



Each jury member shows integer marks from 1 to 10. To reduce the impact of biased extreme grades, the following weighted average is applied. The lowest grade is discarded for 5 or more jurors. Then, the lowest and highest grades remaining are discarded. The number of discarded grades (possibly none) from each extreme is $\lceil \text{number of jury}/4 - 1 \rceil$, where $\lceil x \rceil$ is the integer part of x . Then, the same number of extreme grades on the lowest and highest tails of the remaining list are given a weight equal to $1 - \{\text{number of jury}/4 - 1\}$, where $\{x\}$ is the fractional (decimal) part of x .

The second topic is the finalisation of the discussion of renaming the third role of the physics fights from Reviewer to Moderator. This discussion has been taking place since the Decision Assembly 2022. Polish national representative, Krzysztof Turzyński, has proposed the role description for the IPT Rules:

The principal goal of the Moderator is to stimulate and moderate the discussion between the Reporter and the Opponent, and later between the Reporter team and the Opponent team, to help the Reporter and the Opponent stay focused on the problems and to help the audience and the jurors understand the problem and the proposed solution as well as possible. The Moderator starts with a monologue, in which they: (a) Briefly summarize the discussion between the Reporter and the Opponent, (b) Specify which discussion topics should be considered closed and why, (c) Specify which discussion topics should be further explored and why, (d) Lay out a framework for further discussion. The Moderator moderates the ensuing discussion, in particular, they decide who participates in the discussion and how long the participants are allowed to speak- with the right to cut a speech if the Moderator decides that it does not adhere to the discussion framework. The Moderator also decides in which order participants are allowed to speak in the discussion. The Moderator should not introduce their own results unless it is absolutely necessary to highlight a crucial physical aspect of the problem that has not been mentioned before. The Moderator should be respectful to the Reporter and the Opponent and their teams, to appreciate the strengths of their arguments, and to make room for a constructive critique of the weak points. The Moderator should also make sure that there is a fair representation of the views expressed by the Reporter, the Opponent, and their teams.

Poll results

Q1: Are you in favour of changing clause 2.8.2 of the IPT Rules for smooth distribution of the weights for the jurors' grades during the Physics Fight?



Yes - 9 votes

No - 1 vote

Q2: If the result of the first poll is yes, which option of the change do you choose?

Option one - 5 votes, Option 2 - 5 votes

The IPT President, Anastasiia, casts a decisive vote in favour of Option 2.

Q3: Are you in favour of renaming the third role in the Physics Fight to Moderators, updating clause 2.6.3 according to the proposal attached and changing the name of the role across the IPT Rules document where needed?

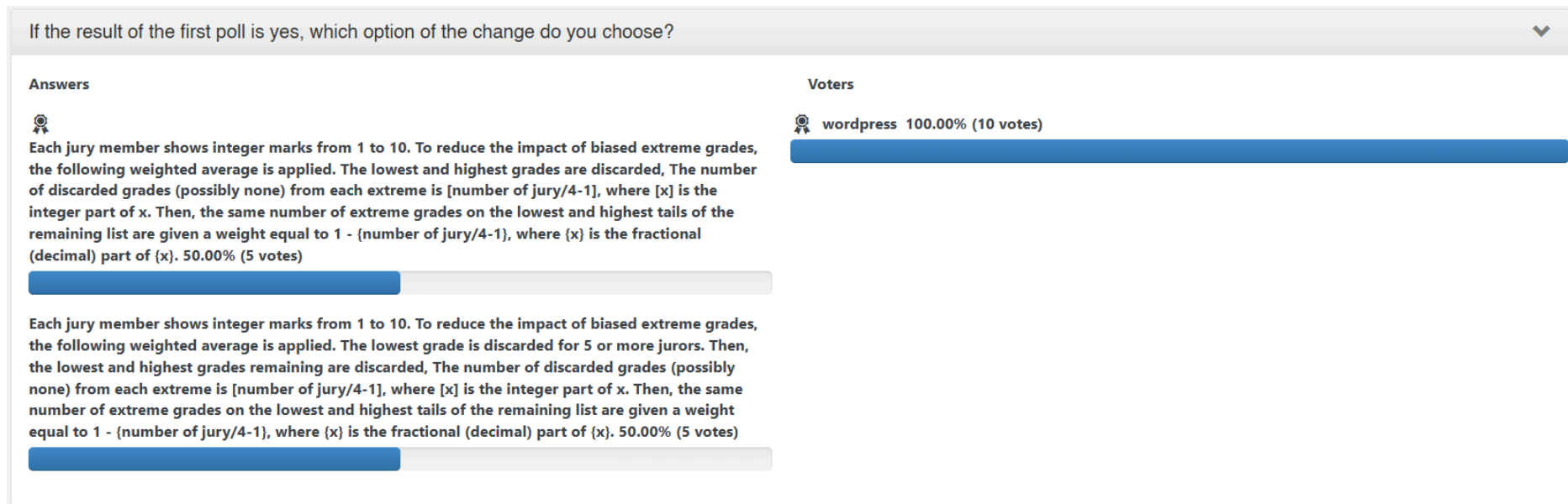
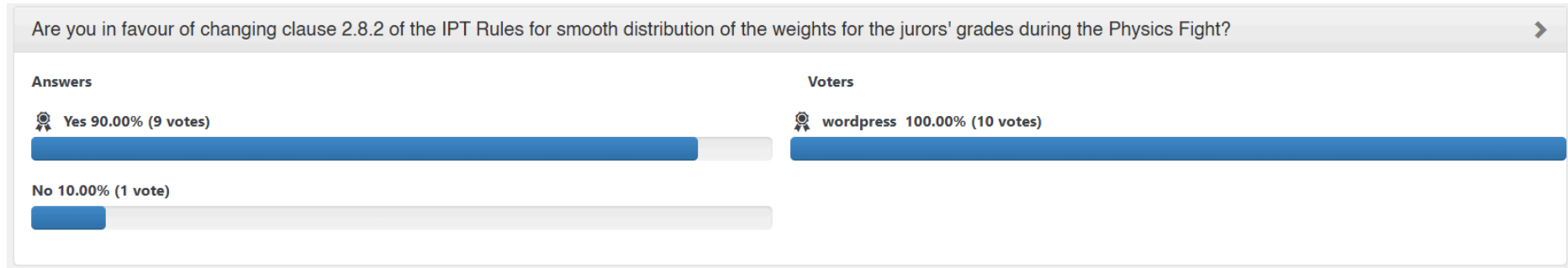
Yes - 8 votes

No - 2 votes

The online poll description is accurate.



Appendix: the screenshots from the IPT website with the poll results





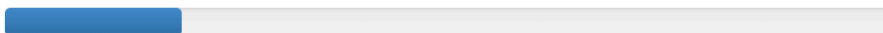
Are you in favour of renaming the third role in the Physics Fight to Moderators, updating clause 2.6.3 according to the proposal attached and changing the name of the role across the IPT Rules document where needed? >

Answers

 **Yes 80.00% (8 votes)**



No 20.00% (2 votes)



Voters

 **wordpress 100.00% (10 votes)**

