

Call for Verified Proof Checkers

Please send your proposal to
`organizers@satcompetition.org`
by 15th of January 2023.

We are looking for proposals for new proof checkers for the international SAT competitions. Your proposal should specify a proof format and include an actual proof checker implementation for that format. Please provide an empirical evaluation of the performance of your proof checker implementation. Your proof checker should run in polynomial time in the size of the formula and proof. In this regard, your proposal should address the *complexity* of the proposed proof system.

The proposed checker or checker tool chain must be *formally verified*. If you propose a tool chain with preprocessors, it is sufficient to verify only the relevant tools in the chain. In your proposal, you should elaborate on the verified properties and the tools or methods used to verify them. References to previous publications that support your statements are helpful.