



## Final statement from review panel

2024-05754	Gianluca Curzi	Review panel: NT-Q
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**Call name:** Research Grants Open call 2024 (Natural and Engineering Sciences) **Type of grant:** Starting Grant  
**Focus:** Natural and engineering sciences  
**Project title (English):** Proofs with Cycles in Computation

### Scientific quality of the proposed research

6

*1 - Poor, 2 - Weak, 3 - Good, 4 - Very Good, 5 - Very good to excellent, 6 - Excellent, 7 - Outstanding*

The idea presented in the proposal can have an impact in some important areas like formal verification and automated theorem proving. The idea is clearly described and related to how the project will extend the state-of-the-art, and how it can contribute to the existing knowledge. The described contribution is well-scoped. The project description is well structured, with a good description of how the work is divided and organized.

The project is very nicely structured in the sense that it has a very reasonable amount of tasks and each of them has a risk factor. Obviously, high risk means high gain, i.e., solving some open problems. Given this risk analysis, the project has very clear levels of success. Low-hanging fruits will assure delivery of results, while there is a potential of some breakthroughs.

### Novelty and originality

5

*1 - Poor, 2 - Weak, 3 - Good, 4 - Very Good, 5 - Very good to excellent, 6 - Excellent, 7 - Outstanding*

All the proposed research is of course original, however it strictly builds on older work which may seem incremental in terms of new, out of the box, ideas. Without any doubt the research does involve the development of novel concepts and approaches for solving the proposed tasks.

### Merits of the applicant

6

*1 - Poor, 2 - Weak, 3 - Good, 4 - Very Good, 5 - Very good to excellent, 6 - Excellent, 7 - Outstanding*

The applicant is a young researcher in terms of career age who has already produced some groundbreaking original work.

### Feasibility

3

*1 - Not feasible, 2 - Partly feasible, 3 - Feasible*

The outlined approach is feasible and well-planned. The project without any doubt will deliver something.

### Overall assessment of the application's scientific quality

6

*1 - Poor, 2 - Weak, 3 - Good, 4 - Very good, 5 - Very good to excellent, 6 - Excellent, 7 - Outstanding*

This is a very well-written proposal.