The Reidemeister spectrum and the R-infinity property for residually nilpotent groups

Project Name DMP - The Reidemeister spectrum and the R-infinity property for residually nilpotent groups

Project Identifier 1102422N

Principal Investigator / Researcher Maarten Lathouwers

Description The project concerns pure mathematical research. More precisely, the goal is to study the Reidemeister spectrum of residually nilpotent groups. Thus we are not doing any physical nor numerical experiments that generate any data. The output of our work will consist only of published papers that contain all the details (=the full proofs) of the results we obtained.

Institution KU Leuven

1. General Information

Name applicant

Maarten Lathouwers

FWO Project Number & Title

1102422N

The Reidemeister spectrum and the R-infinity property for residually nilpotent groups

Affiliation

- KU Leuven

2. Data description

Will you generate/collect new data and/or make use of existing data?

- Generate new data
- Reuse existing data

Describe in detail the origin, type and format of the data (per dataset) and its (estimated) volume. This may be easiest in a table (see example) or as a data flow and per WP or objective of the project. If you reuse existing data, specify the source of these data. Distinguish data types (the kind of content) from data formats (the technical format).

Since the research consists of studying pure mathematical objects, we will not do any physical nor numerical experiments that use or generate any data. The only "data" we use are published articles and preprints.

3. Legal and ethical issues

Will you use personal data? If so, shortly describe the kind of personal data you will use. Add the reference to your file in KU Leuven's Register of Data Processing for Research and Public Service Purposes (PRET application). Be aware that registering the fact that you process personal data is a legal obligation.

- No

Privacy Registry Reference:

Short description of the kind of personal data that will be used:

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? If so, add the reference to the formal approval by the relevant ethical review committee(s)

- No

Does your work possibly result in research data with potential for tech transfer and valorisation? Will IP restrictions be claimed for the data you created? If so, for what data and which restrictions will be asserted?

- No

Do existing 3rd party agreements restrict dissemination or exploitation of the data you (re)use? If so, to what data do they relate and what restrictions are in place?

- No

4. Documentation and metadata

What documentation will be provided to enable reuse of the data collected/generated in this project?

The pre-prints and published articles will contain all the details of the proofs. This fact makes sure that our results are in their nature entirely "reproducible".

Will a metadata standard be used? If so, describe in detail which standard will be used. If no, state in detail which metadata will be created to make the data easy/easier to find and reuse.

- No

The notes, pre-prints, articles, ... will be stored using a convenient directory structure. We use the authors and title of the articles to structure them.

5. Data storage and backup during the FWO project

Where will the data be stored?

All the files will be stored locally on the personnal computer of the KU Leuven. The files are automatically backed up on the OneDrive provided by the KU Leuven.

How is backup of the data provided?

The files are automatically backed up on the OneDrive provided by the KU Leuven. This happens instantly, as long as the computer is connected to the internet.

Is there currently sufficient storage & backup capacity during the project? If yes, specify concisely. If no or insufficient storage or backup capacities are available then explain how this will be taken care of.

- Yes

The OneDrive provides enough storage for the project.

What are the expected costs for data storage and back up during the project? How will these costs be covered?

There are no expected costs for data storage. The KU Leuven provides OneDrive for Business for all staff members for free.

Data security: how will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?

The data is protected by OneDrive for Business and by the security measures of the KU Leuven on internal computers.

6. Data preservation after the FWO project

Which data will be retained for the expected 5 year period after the end of the project? In case only a selection of the data can/will be preserved, clearly state the reasons for this (legal or contractual restrictions, physical preservation issues, ...).

All the pre-prints and published articles contain full information on our results and will be permenantly available after the end of the project.

Where will the data be archived (= stored for the longer term)?

The pre-prints will be freely and permanently available on arXiv (www.arxiv.org). The published articles will be available in the published journals.

What are the expected costs for data preservation during the retention period of 5 years? How will the costs be covered?

The services of arXiv (www.arxiv.org) are free.

7. Data sharing and reuse

Are there any factors restricting or preventing the sharing of (some of) the data (e.g.

as defined in an agreement with a 3rd party, legal restrictions)?

- No

Which data will be made available after the end of the project?
All the pre-prints and published articles will be available after the end of the project.

Where/how will the data be made available for reuse?

- In an Open Access repository

The pre-prints will be available on arXiv (www.arxiv.org). This ensures that the research results are freely and permanently available to the world.

When will the data be made available?

- Upon publication of the research results

As soon as a pre-print is finished, it will be made available on arXiv (www.arxiv.org).

Who will be able to access the data and under what conditions?
The pre-prints on arXiv (www.arxiv.org) are freely and permanently available to the world.

What are the expected costs for data sharing? How will the costs be covered?
The services of arXiv (www.arxiv.org) are free.

8. Responsibilities

Who will be responsible for data documentation & metadata?
The researcher (Maarten Lathouwers) is responsible.

Who will be responsible for data storage & back up during the project?
The researcher (Maarten Lathouwers) is responsible.

Who will be responsible for ensuring data preservation and reuse ?
The researcher (Maarten Lathouwers) is responsible.

Who bears the end responsibility for updating & implementing this DMP?
The PI bears the end responsibility of updating & implementing this DMP.