Qeios

Peer Review

Review of: "Algorithmic Resilience Under Resource Constraints: The Novosibirsk School and the Method of Fractional Steps (1955–1975)"

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This is a solid, publishable scientific article that makes an original contribution to the history of computer science, Soviet science, and numerical analysis. It is well-argued, carefully documented, and thoughtfully structured. With some minor editorial revisions and better access to archives in the future, it could serve as a reference text in this field. I recommend its publication after the minor revisions have been made.

Recommendations for Future Research

The author identifies several fruitful directions:

- **Archival work** in TsAGI and SO RAN once materials are declassified.
- **Oral histories** with surviving programmers and mathematicians from the Novosibirsk school.
- **Comparative studies** with Western industrial CFD development.
- **Gender-focused research** into the demographics and contributions of female programmers in Soviet computing centers.

Attachments: available at https://doi.org/10.32388/2STA25

Declarations

Potential competing interests: No potential competing interests to declare.