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## Editorial Decision for your Article m2an240252

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Reply-To: "ESAIM: M2AN" <m2an@esaim.smai.emath.fr>  
To: Ed Bueler <elbueler@alaska.edu>

Sun, Feb 2, 2025 at 11:23 PM

Ref.: Ms. No. m2an240252  
Surface elevation errors in finite element Stokes models for glacier evolution  
ESAIM: Mathematical Modelling and Numerical Analysis

Dear Professor Ed Bueler,

Reviewers' comments on your work have now been received. You will see that there are concerns about the conjectures expressed by both the reviewers. At this stage, it is not suitable for a publication in M2AN.

For your guidance, I append the reviewers' comments below.

Thank you for giving us the opportunity to consider your work.

Yours sincerely

Editor-in-Chief  
ESAIM: Mathematical Modelling and Numerical Analysis

=====Reviewers' comments=====

There is additional documentation related to this decision letter. To access the file(s), please click the link below. You may also login to the system and click the 'View Attachments' link in the Action column.

<https://www.editorialmanager.com/m2an/l.asp?i=202725&l=4F3CI16K>

Reviewer #2: The surface elevation problem considered by the author in this paper is of great importance in glaciology. Given the lack of any results in this direction, I think this contribution could be welcomed. However, I am highly skeptical of the validity of Conjecture 3.1. In the document attached to this email, I suggest an alternative approach that might rely only on Conjecture 2.2. Given the lack of strong numerical evidence for Conjecture 3.1, it is unclear to me if the paper merits publication in this journal as it stands. I will await a response of the author to my suggestion to make a final decision.

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### 2 attachments

 **Ed\_Bueler\_review.pdf**  
195K

 **comments.pdf**  
105K