Reply on RC3
David Hindle and Olivier Besson

Author comment on "A corrected finite difference scheme for the flexure equation with abrupt changes in coefficient" by David Hindle and Olivier Besson, Solid Earth Discuss., https://doi.org/10.5194/se-2021-36-AC3, 2022

For the final response to reviewer three, we refer to our first comment and reply, but add the following for clarity.

The issue of elastic 2d models has been discussed in our final response to reviewer 1. We propose to include a 2D numerical version of a "stepped" beam problem compared to a half station equivalent 1D solution. Differences are small. The two equations (2nd order and 4th order) are actually not strictly mathematically comparable. It is widely assumed in the literature that they are equivalent however. We thank Professor Beaumont for his time reviewing our manuscript.