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Subject: Midterm Exam Today
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Hi all:

The exam originated from a course that Dr. Richard Garvine taught as GFD-1 in the fall of 1987 at the University of Delaware. I was very excited when I found this problem last week, but could not recall if it was an in-class exam or a take-home. In hindsight, it probably was a take home.

A very casual browsing of an incomplete cross-section indicates that almost everyone struggled. This implies that (a) the exam was very hard (likely), (b) there was not enough time to solve the problems (possible), (c) the exam related only poorly to material covered in class (unlikely), and/or (b) some questions were phrased in ways that were ambiguous (certainly).

Whatever it may be, if anyone of you would like to redo the exam as an extended home work, please do so. I posted a revised version at

http://muenchow.cms.udel.edu/classes/gfd/GFD-Midterm_revised.pdf

If you do decide to retake the exam without time pressure, I will accept all solutions handed in to me in my office before noon tuesday April-17, but you will start with -5 points, that is, the maximum score you can get is 30/35. Only the closed-book, in-class mid-term will provide 35/35. You can choose which version you want to count.

If you want to talk about this exam, I will be available to help and provide pointers monday afternoon. Please use me as an out-of-class resource.

Please pay particular attention to those parts of the problem that I bolded. Also note that we are looking for wave motions and the numerous hints suggest that the scaling for across- and along-isobath directions could be different for arbitrary bathymetry.

Hope this helps and takes away some anxiety that some of you expressed to me after the exam and noted on your exams.

andreas

P.S.: I am convinced that all of us are working hard on this class despite a large number of competing tasks and problems. Nobody should fail this class despite a large number of potentially failed mid-term exams.

andreas

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