ANNOUNCEMENTS

INFINITE ELEMENTS FOR WATER WAVE PROBLEMS

I have recently formulated an infinite element of a new type, for waves on the surface of water. This will deal with wave diffraction and refraction problems, in the same way as previous infinite elements. However it will recover important aspects of wave behaviour not modelled by previous infinite elements and will be simpler and, I believe, more accurate and economical (meshes of smaller extent will be needed).

I am looking for collaboration from industry and from academe in the U.K. or abroad for the development of this element. This could take the form of sharing the work, as I have limited resources, funding the appointment of a research assistant, secondment of a researcher to develop the element here at Newcastle, or joint application to funding bodies. I am particularly interested in collaboration with organizations who might want to use the element to solve wave problems in industry possibly by inserting it in a commercial code.

I am open to suggestions. If you are interested please contact me.

Finally, of course, the idea may not work.

Professor P. Bettess
Armstrong Building
The University
Newcastle upon Tyne
NE1 7RU
U.K.