

## On some aspects of Gerstner's water wave

**Abstract:** While Gerstner wave theory belongs to the early beginnings of the mathematical treatment of water waves, there has been a recent resurgence of interest in adapting Gerstner's explicit solution - the only such explicit solution for the 2D gravity water-wave problem - to different physical configurations. This talk will review some of these developments and present some recent work extending Gerstner's wave to two-fluid interfaces.