

Variational Water Wave Model

with accurate Dispersion and Vertical Vorticity

Goal: to make waves! ... with new wave model... mathematically & numerically

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Waves are a source of delight. They also cause enormous destruction. We need to understand how they form and how they propagate, and find ways to harness their energy safely. Maths holds the key to this understanding.

$$\frac{\partial A}{\partial t} + (c+A) \frac{\partial A}{\partial x} + \frac{\partial A}{\partial x^2} = 0$$

maths makes waves

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