

What is X Beach?

School of Geosciences

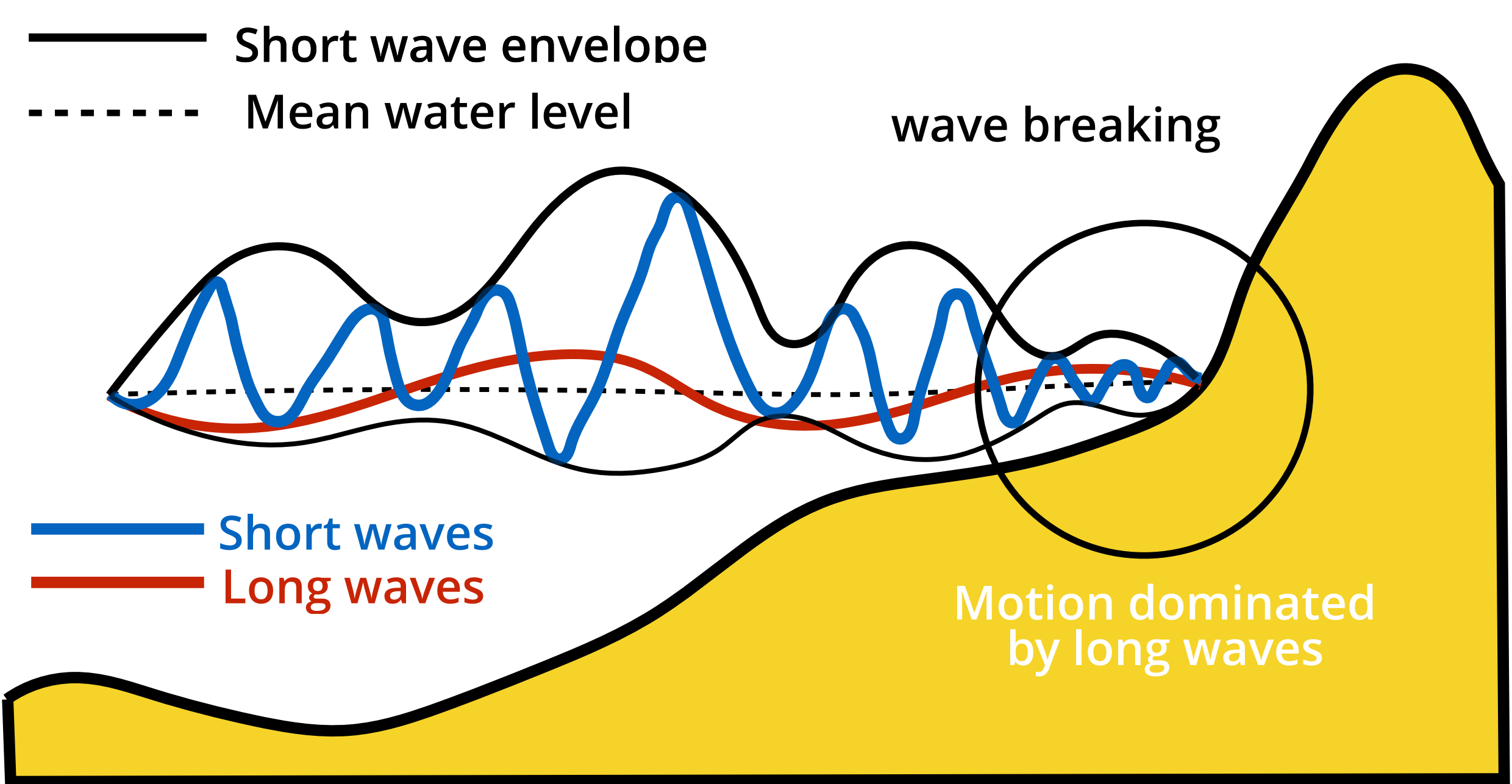


solve short wave variations on the wave group scale (short wave envelope) and the long waves

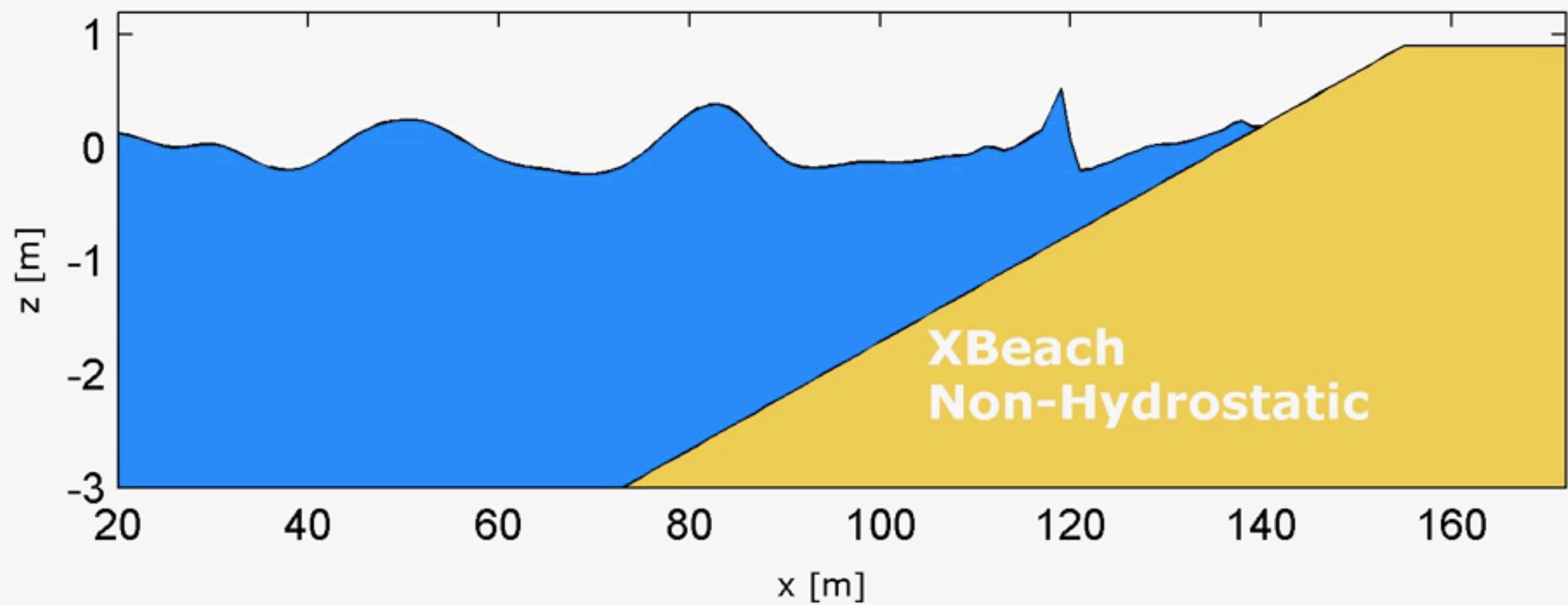
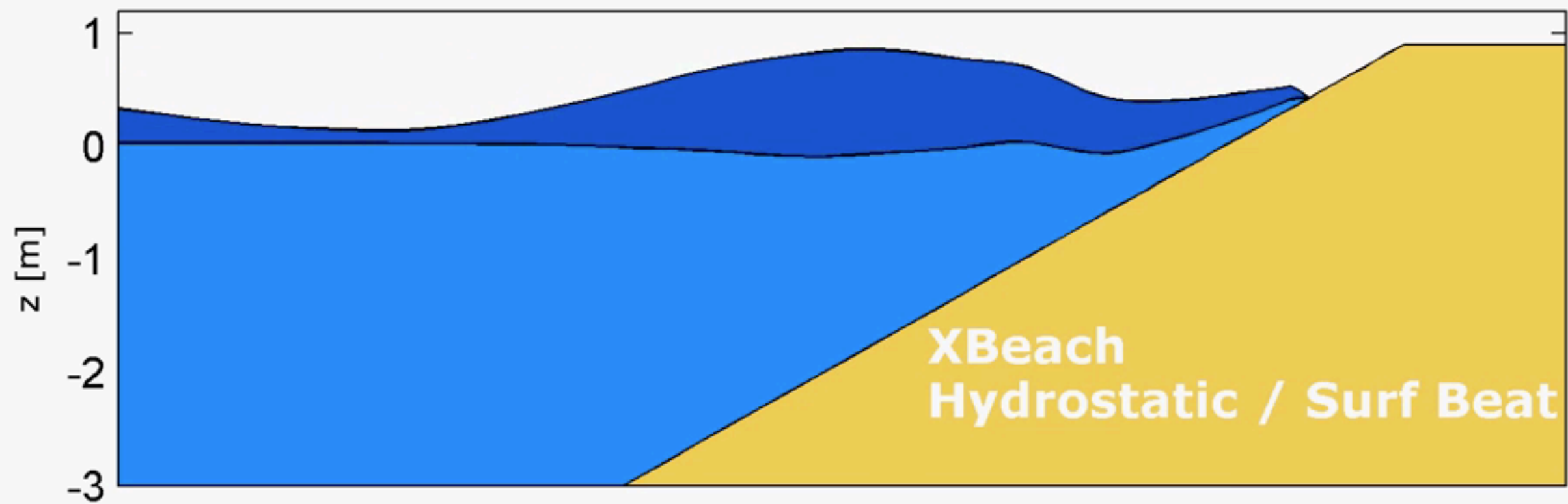
model the propagation of individual waves

non-hydrostatic

surfbear hydrostatic

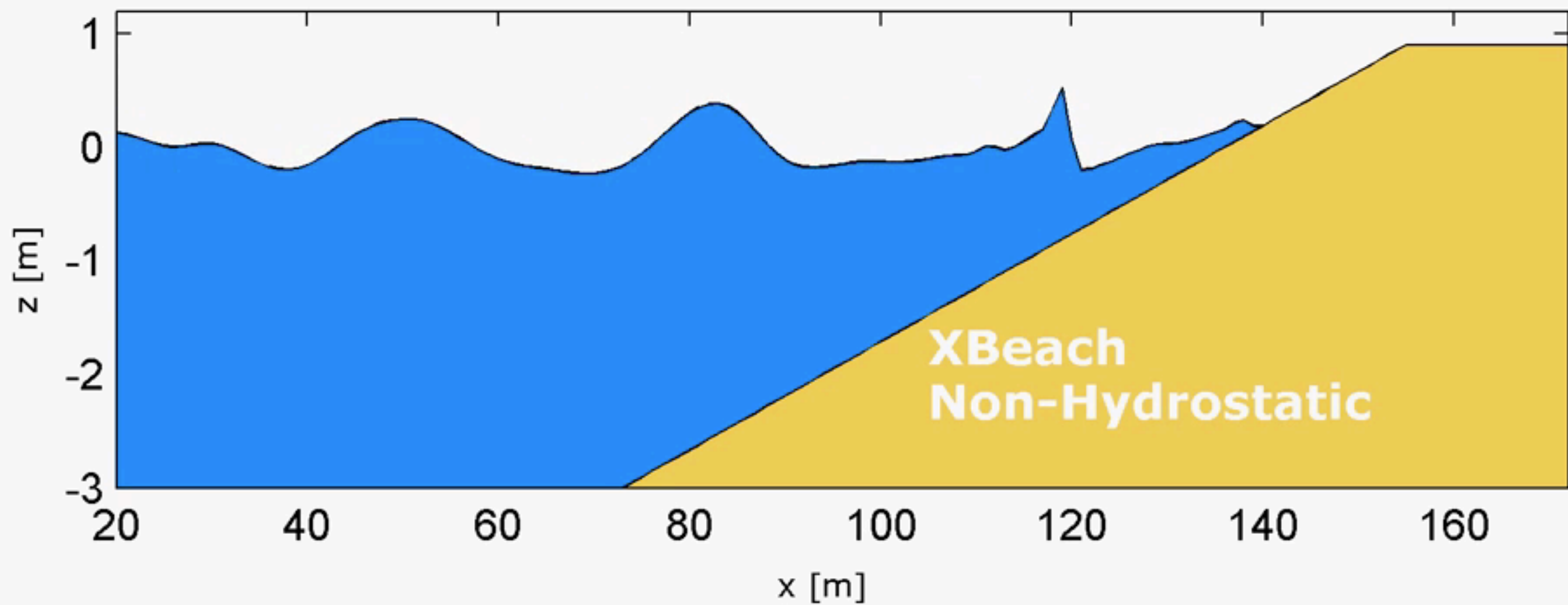
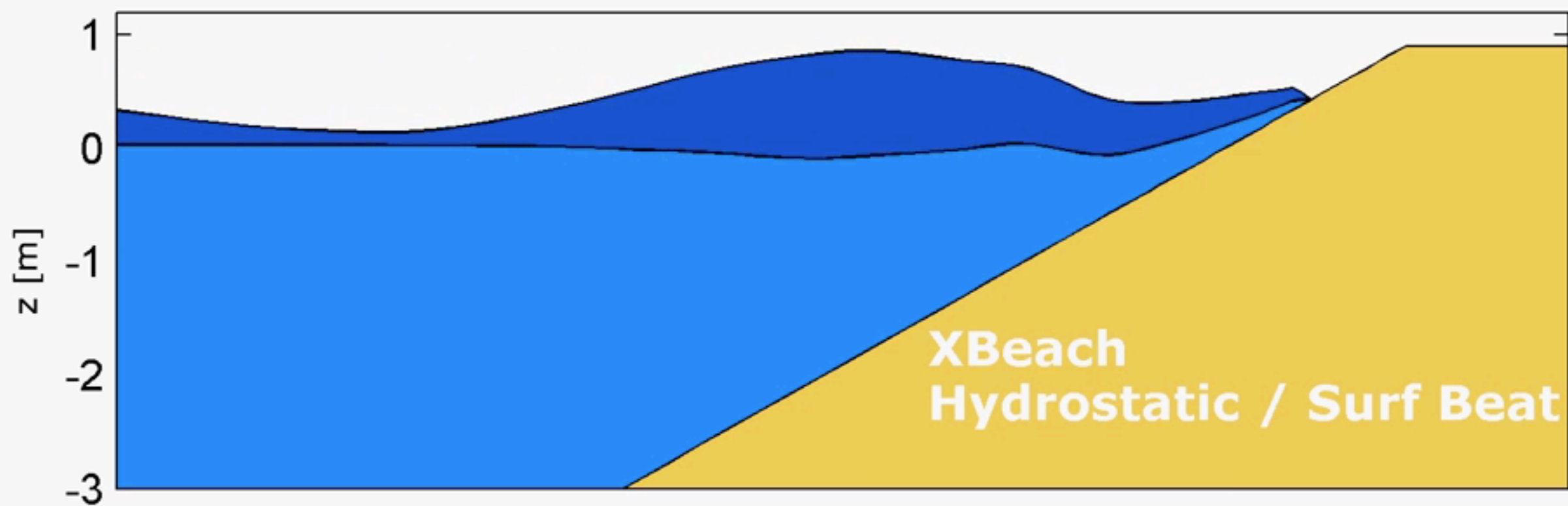


t = 42 s

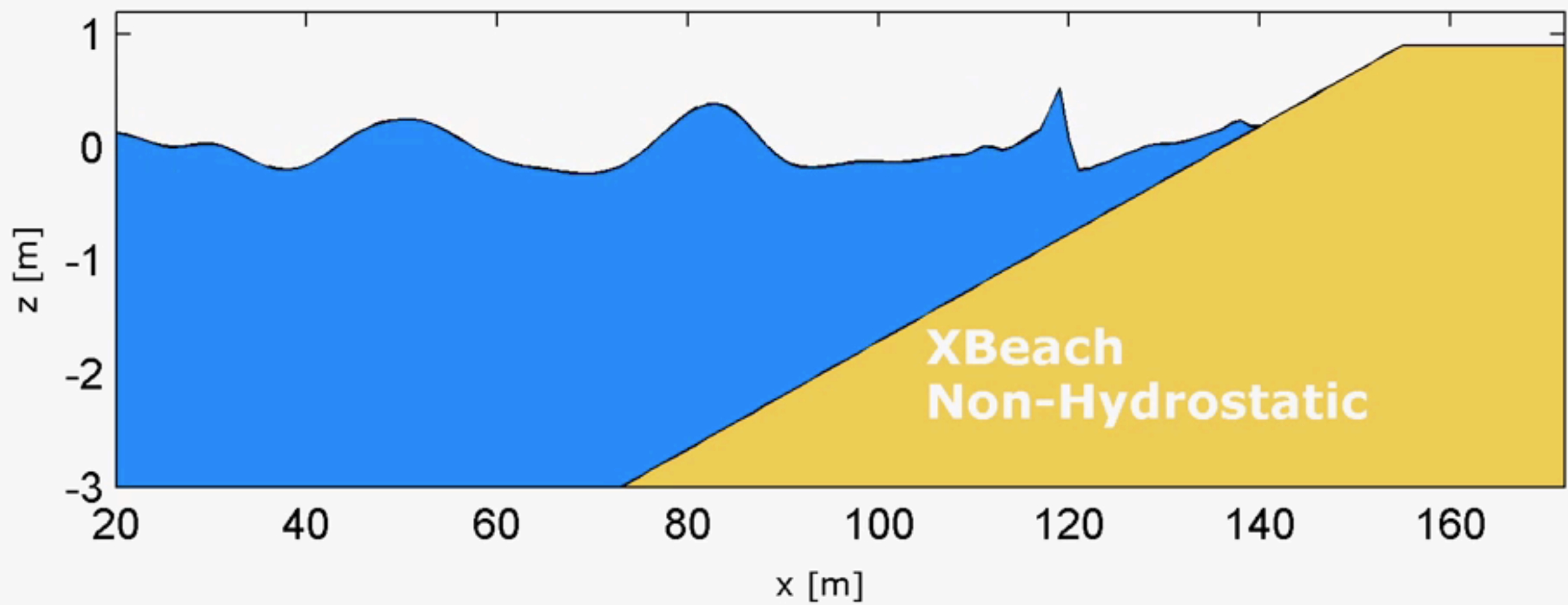
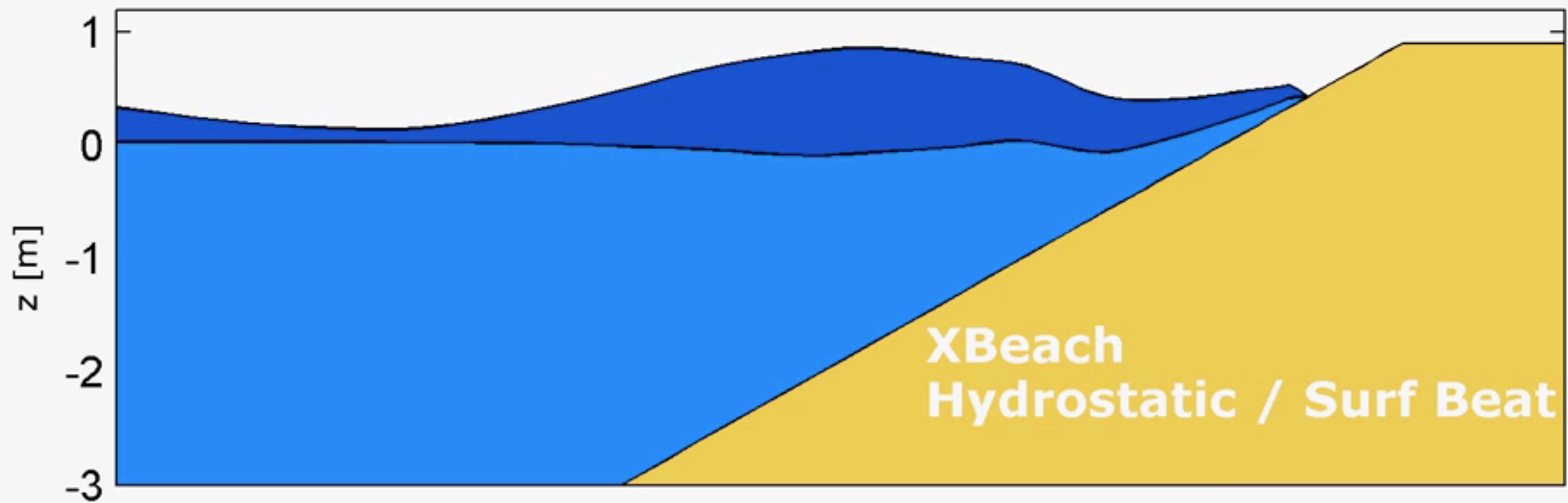




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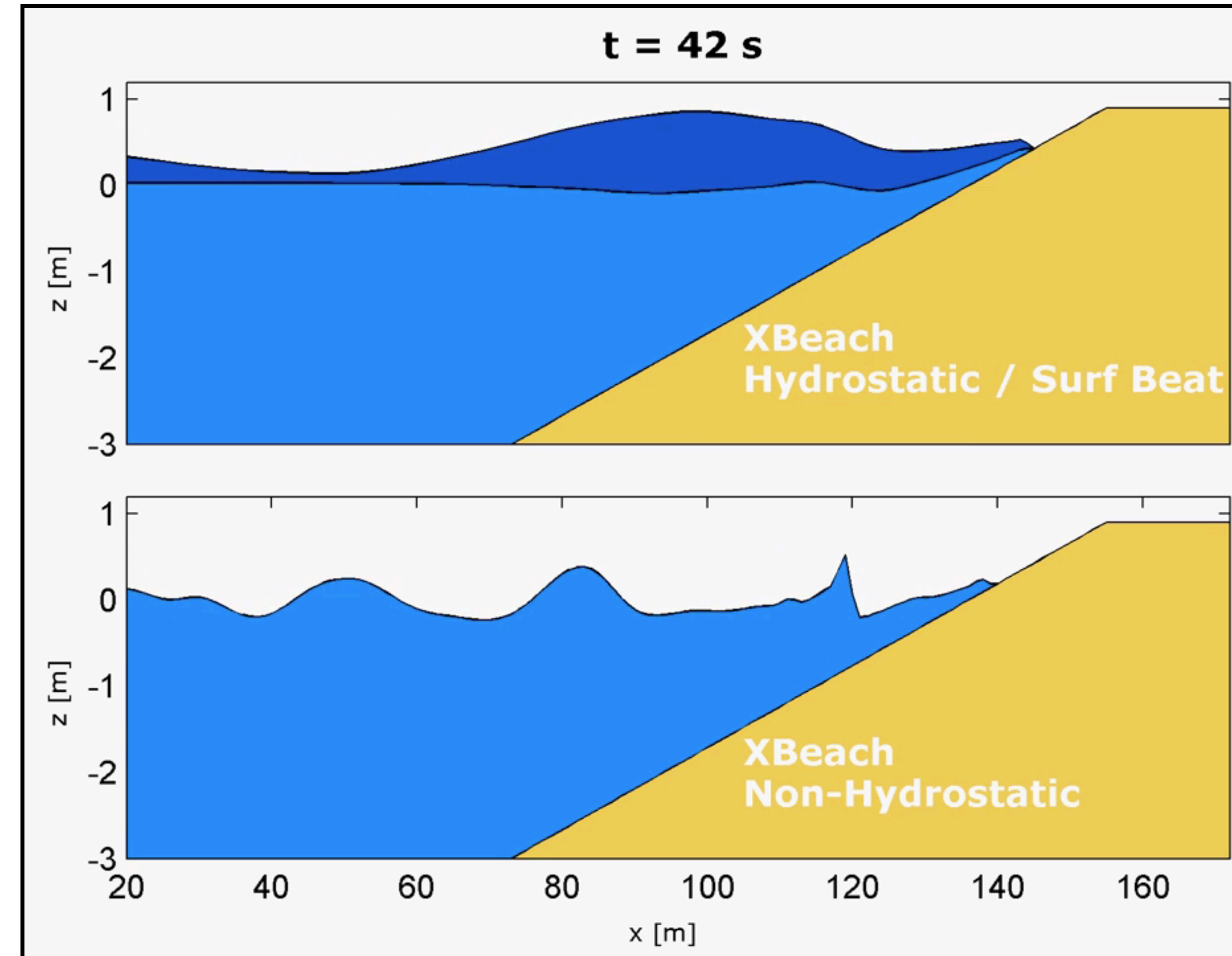
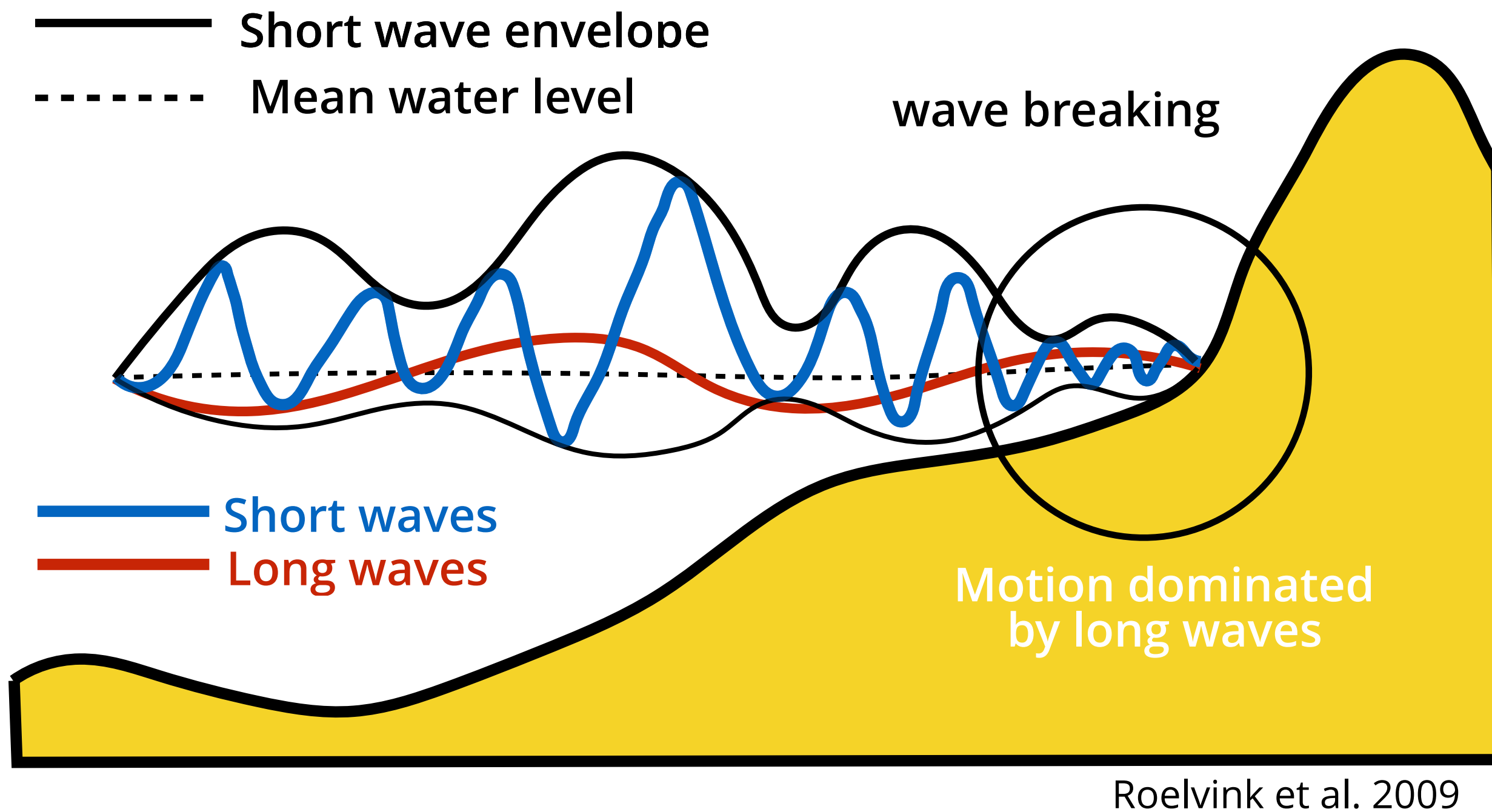
t = 42 s







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surfbeat hydrostatic

solve short wave variations on the wave group scale (short wave envelope) and the long waves

non-hydrostatic

model the propagation and decay of individual waves



simulation of the impact of Hurricane Sandy (October 2012) on the area of Camp Osborne, Brick, NJ, with a 2DH XBeach model.

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