

# MATEMATIČNI KOLOKVIJI

## Long-time dynamics for the Benjamin-Ono equation on the line

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Introduced in 1967 as a model of fluid mechanics, the Benjamin-Ono equation turns out to be a striking example of an infinite-dimensional integrable system. I will review its main properties, including a Lax pair and an explicit representation formula for its solutions, and I will try to explain how they have been recently used to prove a conjecture on the role of soliton solutions in the long-time dynamics on the line.



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Zoom: <https://uni-lj-si.zoom.us/j/95924275545>



Vabljeni vsi prijatelji matematike.  
Predavanju sledi druženje ob prigrizkih.