
Subject: Scientific paper based on U++ code
Posted by [koldo](#) on Mon, 27 Oct 2025 20:21:50 GMT
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Hi all

The paper "Boundary element methods in action: A performance assessment for ocean engineering applications" has just been published in Ocean Engineering journal.
[https:// www.linkedin.com/posts/i%C3%B1aki-zabala-8982b095_boundary-element-methods-in-action-a-performance-activity-7388628422622625792-srHN?utm_source=share&utm_medium=member_desktop&rcm=ACoAABQnp_QBoEbF3s4X5LzxXt5fNwrY0dc1RZ0](https://www.linkedin.com/posts/i%C3%B1aki-zabala-8982b095_boundary-element-methods-in-action-a-performance-activity-7388628422622625792-srHN?utm_source=share&utm_medium=member_desktop&rcm=ACoAABQnp_QBoEbF3s4X5LzxXt5fNwrY0dc1RZ0).

This work presents a large-scale benchmark and comprehensive comparison of BEM solvers -- essential tools in hydrodynamic modelling of floating devices -- (ships, offshore wind platforms, wave energy converters, ...)

All the massive preprocessing and postprocessing has been done using U++. Of course this could be done in python... using 50 times more computing power for the same job :lol:

Thank you Mirek and all for the great job.
