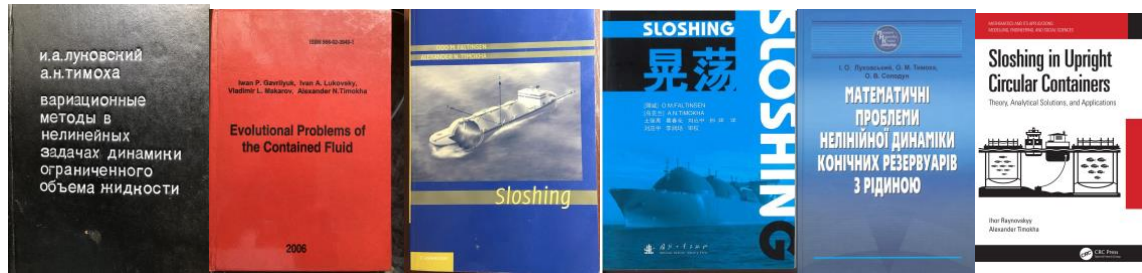




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<p>Other activities:</p> <ul style="list-style-type: none"> ✓ National committee in theoretical and applied mechanics, (2023-) ✓ Committee of the State prizes of Ukraine in science and technology, section of mathematical sciences, member, (2021-) ✓ Committee of the National Academy of Sciences of Ukraine for integration to the European research area (2020-) ✓ Garant of the PhD program in Applied Mathematics at the Institute of Mathematics of the National Academy of Sciences of Ukraine (2020-) ✓ Bureau of the Department of Mathematics of the National Academy of Sciences of Ukraine (2020-) ✓ Doctor Science Committee Д 28.206.02, Vice-Head (2020-) ✓ Head of Applied Mathematics in the Committee for evaluation of research institutions at the Ministry of Education and Science of Ukraine (2019-) 	<p>Prestigious Grants (PI/co-PI):</p> <ul style="list-style-type: none"> • NRFU (Ukraine), (2020-22), № 2020.02/089 [\$ 400,000] • DFG (Germany), (1997-2011), № 435 113/33/(0-4) [€ 500,000] • INTAS (EU), (1994-1996), Grant No. 94-1234 [\$ 20,000] • National Space Agency of Ukraine (1995-97), [\$2 000] • Simons Foundation (USA) (2022-23), [\$310 161] <p>Visiting Professorships:</p> <ul style="list-style-type: none"> • FSU Jena (Germany) 2004-13 • Leipzig University (Germany), 1997-2003 • NTNU (Norway), 1999-2002 • TU Cottbus (Germany), 1998-99 <p>Membership:</p> <p>GAMM (Germany), AMS (USA), EUROMECH</p>

The author of more than 200 papers and 6 books



Selected journal papers (2012-2023)

Quartile [Q1]:

1. Miliaiev A., Timokha A. (2023): [Viscous damping of steady-state resonant sloshing in a clean rectangular tank](#). *Journal of Fluid Mechanics*, 965, R1, 1-11
2. Faltinsen, O.M., Timokha, A.N. (2021): [Coupling between resonant sloshing and lateral motions of a two-dimensional rectangular tank](#). *Journal of Fluid Mechanics*, 916, A60, 1-41
3. Faltinsen, O.M., Lagodzinskyi, O., Timokha, A.N. (2020): [Resonant three-dimensional nonlinear sloshing in a square base basin. Part 5. Three-dimensional non-parametric tank forcing](#). *Journal of Fluid Mechanics*, 894, A10, 1-42
4. Faltinsen, O.M., Timokha, A.N. (2019): [An inviscid analysis of the Prandtl azimuthal mass-transport during swirl-type sloshing](#). *Journal of Fluid Mechanics*, 865, 884-903
5. Faltinsen, O.M., Timokha, A.N. (2017): [Resonant three-dimensional nonlinear sloshing in a square-base basin. Part 4. Oblique forcing and linear viscous damping](#). *Journal of Fluid Mechanics*, 822, 139-169
6. Faltinsen, O.M., Lukovsky, I.A., Timokha, A.N. (2016): [Resonant sloshing in an upright annular tank](#). *Journal of Fluid Mechanics*, 804, 608-645
7. Faltinsen, O.M., Timokha, A.N. (2016): [Undamped eigenperiods of a sea-based gravity monotower](#). *Applied Mathematical Modelling*, 40, 8217-8243
8. Faltinsen, O.M., Timokha, A.N. (2015): [On damping of two-dimensional piston-mode sloshing in a rectangular moonpool under forced heave motions](#). *Journal of Fluid Mechanics*, 772, R1
9. Gavriluyuk, I., Hermann, M., Trotsenko, V., Trotsenko, Yu., Timokha, A. (2014): [Eigenoscillations of a thin-walled azimuthally closed, axially open shell of revolution](#). *Journal of Engineering Mathematics*, 85, 83-97
10. Gavriluyuk, I., Hermann, M., Trotsenko, Yu., Timokha, A. (2013): [Studying the coupled eigenoscillations of an axisymmetric tower-elevated tank system by the multimodal method](#). *Journal of Fluids and Structures*, 42, 152-165
11. Faltinsen, O.M., Timokha, A.N. (2013): [Multimodal analysis of weakly nonlinear sloshing in a spherical tank](#). *Journal of Fluid Mechanics*, 719, 129-164
12. Faltinsen, O.M., Timokha, A.N. (2012): [Analytically approximate natural sloshing modes for a spherical tank shape](#). *Journal of Fluid Mechanics*, 703, 392-401
13. Faltinsen, O.M., Timokha, A.N. (2012): [On sloshing modes in a circular tank](#). *Journal of Fluid Mechanics*, 695, 467-477

Quartile [Q2]:

1. Raynovskyy, I.A., Timokha, A.N. (2018): [Steady-state resonant sloshing in an upright cylindrical container performing a circular orbital motion](#). *Mathematical Problems in Engineering*, Article ID 5487178, 1-8
2. Raynovskyy, I.A., Timokha, A.N. (2018): [Damped steady-state resonant sloshing in a circular base container](#). *Fluid Dynamics Research*, 50, Article ID 045502, 1-27
3. Timokha, A.N. (2016): [Analytically approximate natural sloshing modes and frequencies for an upright circular container with poles](#). *Journal of Engineering Mathematics*, 101, Issue 1, 47-54
4. Faltinsen, O.M., Timokha, A.N. (2014): [Analytically approximate natural sloshing modes and frequencies in two-dimensional tanks](#). *European Journal of Mechanics B/Fluids*, 47, 176-187
5. Gavriluyuk, I., Hermann, M., Lukovsky, I., Solodun, O., Timokha, A. (2013): [Weakly-nonlinear sloshing in a truncated circular conical tank](#). *Fluid Dynamics Research*, 45, Paper ID 055512, 1-30
6. Gavriluyuk, I., Hermann, M., Lukovsky, I., Solodun, O., Timokha, A. (2012): [Multimodal method for linear liquid sloshing in a rigid tapered conical tank](#). *Engineering Computations*, 29, No 2, 198-220