**Principal publications**

*Papers in the international peer-reviewed scientific journals:*

62. R. Plougonven and V. Zeitlin, Nonlinear development of inertial instability in a barotropic
67. B. Ribstein, J. Gula and V. Zeitlin, (A)geostrophic adjustment of dipolar perturbations, formation of coherent structures and their properties, as follows from high-resolution numerical simulations with rotating shallow water model, 2010, Phys. Fluids, 22, 116603-1 – 116603-14.
76. N. Lahaye and V. Zeitlin, Decaying vortex and wave turbulence in rotating shallow water model, as follows from high-resolution direct numerical simulations, 2012, Phys. Fluids, 24, 115106-1 – 115106-13.
84. N. Lahaye and V. Zeitlin, Centrifugal, barotropic and baroclinic instabilities of isolated ageostrophic anticyclones in the two-layer rotating shallow water model and their nonlinearity saturation, 2015, J. Fluid Mech., 762, 5 - 34.

Book chapters:

97. V. Zeitlin, 2007, Fundamentals of rotating shallow water model in the geophysical fluid dynamics perspective, "Nonlinear dynamics of rotating shallow water: methods and
100. J. Gula and V. Zeitlin, 2010, Instabilities of buoyancy driven coastal currents and their nonlinear evolution in the two-layer rotating shallow water model, Oberwolfach Reports, 34, p. 68 – 70 (A. Majda, B. Stevens and R. Klein, eds).

Monographs

103. V. Zeitlin “Understanding Geophysical Fluid Dynamics with Rotating Shallow Water Model” -- in preparation for Oxford University Press.

Original results published in reviewed proceedings and communications **

104. V. Zeitlin, Supersymmetric mechanics of a material point - 1975, Proceedings of the USSR Conference of Young Scientists, 3 p, Novosibirsk.
106. A. Sorin and V. Zeitlin, High-temperature asymptotics of the thermodynamic potential in perturbative QCD with massive quarks - 1986, Institute of Theoretical Physics Communications ITP -86-99E, Kiev.
112. G.G. Sutyrin and V. Zeitlin, Generation of inertia-gravity waves by pulsating lens-like axisymmetric vortices, Proceedings of the 18 French Congress on Mechanics, CFM2007-


*) The spelling of my name in publications submitted from ex-USSR or translated from Russian varied: TZEITLIN, TSEYTLIN, ZEITLIN.

**) Extended abstracts /proceedings published without proper reviewing process are not included.