

Curriculum Vita – Boris Galperin

1. PERSONAL

Work Address: College of Marine Science, MSL 138F, University of South Florida,
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2. *Marine Turbulence - Theories, Observations and Models. Results of the CARTUM Project, 2003.* Guest Editor for Section 7: *Large-Scale Processes*. Cambridge - New York: Cambridge University Press.
3. *Large Eddy Simulation of Complex Engineering and Geophysical Flows*, 1993, B. Galperin, and S. A. Orszag., Eds., pp. i-620. Cambridge - New York: Cambridge University Press.

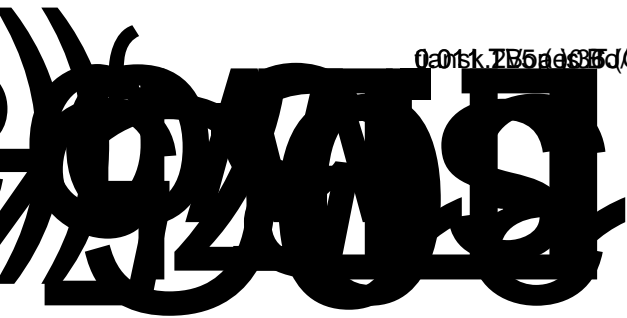
12. JOURNAL PUBLICATIONS

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19. Sukoriansky, S., N. Dikovskaya, N., and B. Galperin, 2009: Transport of momentum and scalar in anisotropic turbulent flows with dispersive waves. *Geophysical Research Letters*, **36**, L14609, doi:10.1029/2009GL038632.
 20. Maximenko, N., P. Niiler, M.H. Rio, O. Melnichenko, L. Centurioni, D. Chambers, V. Zlotnicki and B. Galperin, 2009: Mean dynamic topography of the ocean derived from satellite and drifting buoy data using three different techniques. *Journal of Atmospheric and Oceanic Technology*, **26**, 1910-1919.
 21. Sukoriansky, S., and B. Galperin, 2009: Quasi-normal scale elimination theory of turbulence. *International Journal of Pure and Applied Mathematics*, **50**, 301-308.
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 24. Sukoriansky, S., and B. Galperin, 2008: Anisotropic turbulence and internal waves in stably stratified flows (QNSE theory). *Physica Scripta*, **T132**, 014036.
 25. Sukoriansky, S., N. Dikovskaya, N., and B. Galperin, 2007: On the "arrest" of inverse energy cascade and the Rhines scale. *Journal of the Atmospheric Sciences*, **64**, 3312-3327.
 26. Galperin, B., S. Sukoriansky, and P.S. Anderson, 2007: On the critical Richardson number in stably stratified turbulence. *Atmospheric Science Letters*, **8**, 65-69, DOI: 10.1002/asl.153.
 27. Galperin, B., S. Sukoriansky, N. Dikovskaya, P.L. Read, Y. Yamazaki, and R. Wordsworth, 2006: Anisotropic turbulence and zonal jets in rotating flows with a beta-effect. *Nonlinear Processes in Geophysics*, **13**, 83-98.
 28. Sukoriansky, S., B. Galperin, and V. Perov, 2006: A quasi-normal scale elimination model of turbulence and its application to stably stratified flows. *Nonlinear Processes in Geophysics*, **13**, 9-22.
 29. Sukoriansky, S., B. Galperin, and V. Perov, 2005: Application of a new spectral theory of stably stratified turbulence to atmospheric boundary layer over sea ice. *Boundary-Layer Meteorology*, **117**, 231-257. doi:10.1007/s10546-005-0134-2

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11. Galperin, B., A. Squires, G. Vargo, K. Fanning, and R. Weisberg, 1995: Review and synthesis of historical Tampa Bay water quality data. Florida Scientist. Symposium on human impacts on the environment of Tampa Bay. Special publication, *Quarterly Journal of the Florida Academy of Sciences*, **58**, 228-233. Indian River, Florida: Florida Academy of Sciences.
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37. Galperin, B., J. Hoemann, S. Espa, and G. Di Nitto. Anisotropic turbulence and Rossby waves in an easterly jet - an experimental study. BIT's 1st Annual World Congress of Geophysics – 2014, Taiyuan, China, 16 – 18 September, 2014.
38. Galperin, B. Waves, Turbulence, Boundary Layers, and All That... CMS Faculty Seminar Series, St. Petersburg, Florida, September 5, 2014.
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