

Curriculum Vitae

Eli Tziperman

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Born 1957, married + 3.

Areas of Interest:

Large scale climate and ocean dynamics: El Nino, thermohaline circulation, past and future climate dynamics, including abrupt climate change, warm climates, glacial cycles, Snowball Earth; advanced methods of ocean data assimilation.

Education:

Hebrew Univ., Jerusalem	B.A., with distinction	1982	Physics and Math
MIT – Woods Hole Oceanographic Institution	Ph.D.	1987	Physical Oceanography
<i>Adviser:</i> Carl Wunsch			
Weizmann Inst. of Science	Postdoctoral Fellow	1987-89	Physical Oceanography

Appointments:

2003–	Prof of Oceanography & Applied Physics, Harvard University, Dept of Earth and Planetary Sciences and School of Engineering and Applied Sciences
1998–2003	Prof., Dept. of Environmental Sciences, Weizmann Institute of Science
1994–1998	Associate Prof., Dept. of Environmental Sciences, Weizmann Inst. of Science
1990–1993	Senior Scientist, Dept. of Environmental Sciences, Weizmann Inst. of Science
1989–1990	Scientist, The Weizmann Institute of Science

Misc:

Prof. E.D. Bergman Memorial Award, 1990. Israeli-US Binational Science foundation.

Alon Scholarship, 1989. Israeli Academic Planning and Grant Committee (VATAT).

Carl-Gustav Rossby Award for the most outstanding thesis submitted to the Center for Meteorology and Physical Oceanography, MIT, in the academic year 1986-1987.

Meirbaum Oceanographic Scholarships, Hebrew University, 1984, 1985, 1987.

Publications: Eli Tziperman.

- E. Tziperman. On the role of interior mixing and air-sea fluxes in determining the stratification and circulation of the oceans. *J. Phys. Oceanogr.*, 16:680–693, 1986. download.
- E. Tziperman. The Mediterranean outflow as an example of a deep buoyancy - driven flow. *J. Geophys. Res.*, 92(C13):14510–14520, 1987. download.
- E. Tziperman. Calculating the time-mean oceanic general-circulation and mixing coefficients from hydrographic data. *J. Phys. Oceanogr.*, 18(3):519–525, March 1988. download.
- E. Tziperman and A. Hecht. Circulation in the Eastern Levantine Basin determined by inverse methods. *J. Phys. Oceanogr.*, 18(3):506–518, March 1988. download.
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- E. Tziperman, J. R. Toggweiler, Y. Feliks, and K. Bryan. Instability of the thermohaline circulation with respect to mixed boundary-conditions: Is it really a problem for realistic models. *J. Phys. Oceanogr.*, 24(2):217–232, February 1994. download.
- S. M. Griffies and E. Tziperman. A linear thermohaline oscillator driven by stochastic atmospheric forcing. *J. Climate*, 8(10):2440–2453, October 1995. download.
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