

## List of Publications

Paul F. Linden

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### Refereed Journal Articles

1. LINDEN, P.F. 1971 Salt fingers in the presence of grid-generated turbulence. *J. Fluid Mech.*, **49**, 611–624.
2. LINDEN, P.F. 1973 On the structure of salt fingers. *Deep-Sea Res.*, **20**, 325–340.
3. LINDEN, P.F. 1973 The interaction of a vortex ring with a sharp density interface: a model for turbulent entrainment. *J. Fluid Mech.*, **60**, 467–480.
4. LINDEN, P.F. & CRAPPER, P.F. 1974 Effect of molecular diffusion on the structure of a turbulent density interface. *Adv. in Geophys.*, **18**, 433–443.
5. LINDEN, P.F. 1974 Salt fingers in a steady shear flow. *Geophys. Fluid Dyn.*, **6**, 1–27.
6. LINDEN, P.F. 1974 A note on the transport across a diffusive interface. *Deep-Sea Res.*, **21**, 283–287.
7. CRAPPER, P.F. & LINDEN, P.F. 1974 The structure of turbulent density interfaces. *J. Fluid Mech.*, **65**, 45–63.
8. LINDEN, P.F. & TURNER, J.S. 1975 Small-scale mixing in stably-stratified fluids: a report on Euromech 51. *J. Fluid Mech.*, **67**, 1–16.
9. LINDEN, P.F. 1975 The deepening of a mixed layer in a stratified fluid. *J. Fluid Mech.*, **71**, 385–405.
10. LINDEN, P.F. 1976 The formation and destruction of fine-structure by double-diffusive processes. *Deep-Sea Res.*, **23**, 895–908.
11. HUPPERT, H.E. & LINDEN, P.F. 1976 The spectral signature of salt fingers. *Deep-Sea Res.*, **23**, 909–914.
12. LINDEN, P.F. 1977 The flow of a stratified fluid in a rotating annulus. *J. Fluid Mech.*, **79**, 435–447.
13. LINDEN, P.F. & WEBER, J.E. 1977 The formation of layers in a double-diffusive system with a sloping boundary. *J. Fluid Mech.*, **81**, 757–773.
14. LINDEN, P.F. 1978 The formation of banded salt finger structure. *J. Geophys. Res.*, **83**, 2902–2912.
15. LINDEN, P.F. & SHIRTCLIFFE, T.G.L. 1978 The diffusive interface in double diffusive convection. *J. Fluid Mech.*, **87**, 417–432.
16. LINDEN, P.F. 1979 Mixing in stratified fluids. *Geophys. Astrophys.*

*Fluid Dyn.*, **13**, 3–23.

17. HUPPERT, H.E. & LINDEN, P.F. 1979 On heating a stable salinity gradient from below. *J. Fluid Mech.*, **95**, 431–464.

18. WADHAMS, P., GILL, A.E. & LINDEN, P.F. 1979 Transects by submarine of the East Greenland Polar Front. *Deep-Sea Res.*, **26A**, 1311–1327.

19. BRITTER, R.E. & LINDEN, P.F. 1980 The motion of the front of a gravity current travelling down an incline. *J. Fluid Mech.*, **99**, 531–543.

20. LINDEN, P.F. 1980 Mixing across a density interface produced by grid turbulence. *J. Fluid Mech.*, **100**, 691–703.

21. GRIFFITHS, R.W. & LINDEN, P.F. 1981 The stability of vortices in a rotating, stratified flow. *J. Fluid Mech.*, **105**, 283–316.

22. GRIFFITHS, R.W. & LINDEN, P.F. 1981 The stability of buoyancy driven coastal currents. *Dyn. Atmos. Oceans.*, **5**, 281–306.

23. LINDEN, P.F. & SIMPSON, J.H. 1981 Physical oceanography of the European shelf-seas: a report on the Geophysical Fluid Mechanics Symposium of the E.G.S. *Geophys. Astrophys. Fluid Dyn.*, **17**, 319–329.

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25. GRIFFITHS, R.W. & LINDEN, P.F. 1982 Laboratory experiments on fronts. Part 1. Density-driven boundary currents. *Geophys. Astrophys. Fluid Dyn.*, **19**, 159–187.

26. CHIA, F., GRIFFITHS, R.W. & LINDEN, P.F. 1982 Laboratory experiments on fronts. Part 2. The formation of cyclonic eddies at upwelling fronts. *Geophys. Astrophys. Fluid Dyn.*, **19**, 189–206.

27. PEARSON, H.J. & LINDEN, P.F. 1983 The final stage of decay of turbulence in stably stratified fluid. *J. Fluid Mech.*, **134**, 195–203.

28. LAMBERT, D., LINDEN, P.F., LOWENTHAL, D. & STERN, M.E. 1983 Benthic fronts and the global excess radon distribution. *Geophys. Astrophys. Fluid Dyn.*, **25**, 309–315.

29. GRIFFITHS, R.W. & LINDEN, P.F. 1983 The influence of a side wall on rotating flow over bottom topography. *Geophys. Astrophys. Fluid Dyn.*, **27**, 1–33.

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31. LINDEN, P.F. & VAN HEIJST, G.J.F. 1984 Two-layer spin up and frontogenesis. *J. Fluid Mech.*, **143**, 69–94.

32. LINDEN, P.F. & SIMPSON, J.E. 1985 Buoyancy driven flow through an

- open door. *Air Infiltration Review*, **6**, 4–5.
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36. CHERESKIN, T.K. & LINDEN, P.F. 1986 The effect of rotation on intrusions produced by heating a salinity gradient. *Deep-Sea Res.*, **33**, 305–322.
37. GILL, A.E., DAVEY, M.K., JOHNSON, E.R. & LINDEN, P.F. 1986 Rossby adjustment over a step. *J. Marine Res.*, **44**, 713–738.
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40. HOPFINGER, E.J. & LINDEN, P.F. 1990 The effect of background rotation on fluid motions. A report on Euromech 245. *J. Fluid Mech.*, **211**, 417–435.
41. LINDEN, P.F., LANE-SERFF, G.F. & SMEED, D.A. 1990 Emptying filling boxes: the fluid mechanics of natural ventilation. *J. Fluid Mech.*, **212**, 309–336.
42. LINDEN, P.F. & SIMPSON J.E. 1990 Continuous two-dimensional releases from an elevated source. *J. Loss Prev. Process Ind.*, **3**, 82–87.
43. LINDEN, P.F. & REDONDO, J.M. 1991 Molecular mixing in Rayleigh-Taylor instability. Part I. Global mixing. *Phys. Fluids A*, **3**, 1269–1277.
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49. REIBLE, D.D., SIMPSON, J.E. & LINDEN, P.F. 1993 The sea breeze and gravity current frontogenesis. *Quart. J. Roy. Met. Soc.*, **119**, 1–16.
50. BOUBNOV, B.M., DALZIEL, S.B. & LINDEN, P.F. 1994 Source-sink turbulence in a stratified fluid. *J. Fluid Mech.*, **261**, 273–303.
51. CLEAVER, P.R., LINDEN, P.F. & MARSHALL, M.R. 1994 The build-up of concentration within a single enclosed volume following a release of natural gas. *J. Haz. Mat.*, **36**, 209–226.
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56. HACKER, J.N., LINDEN, P.F. & DALZIEL, S.B. 1996 Mixing in lock-release gravity currents. *Dyn. Atmos. Oceans*, **24**, 183–195.
57. COOPER, P. & LINDEN, P.F. 1996 Natural ventilation of enclosures containing two sources of buoyancy. *J. Fluid Mech.*, **311**, 155–176.
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59. ROONEY, G.G. & LINDEN, P.F. 1996 Similarity considerations for non-Boussinesq plumes in an unstratified environment. *J. Fluid Mech.*, **318**, 237–250.
60. HUNT, G.R., LINDEN, P.F., KOLOKOTRONI, M. & PERERA, E. 1997 Salt-bath modelling of airflows. *Building Services Journal*, 43–44.
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63. THOMAS, L.P., MARINO, B.M. & LINDEN, P.F. 1998 Gravity currents over porous substrates. *J. Fluid Mech.*, **366**, 239–258.
64. SUTHERLAND, B.S. & LINDEN, P.F. 1998 Internal wave excitation from stratified flow over a thin barrier. *J. Fluid Mech.*, **377**, 223–252.
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69. ROOIJ, F. DE, DALZIEL, S.B. & LINDEN, P.F. 1999 Electrical measurement of sediment layer thickness under suspension flows. *Exp. in Fluids*, **26**, 470–474.

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