

Reading List 1: Introduction and Zero-Dimensional

Bintanja, R., 1996. The parameterization of shortwave and longwave radiative fluxes for use in zonally averaged climate models. *Journal of Climate*, **9**: 439–454. (Infrared radiation parameterizations.)

† Coddington, O., J. L. Lean, P. Pilewskie, M. Snow, and D. Lindholm. 2016. A solar irradiance climate data record. *Bull. A.M.S.*, (July 2016): 1265–1292. DOI: 10.1175/BAMS-D-14-00265.

Dickinson, R. E., 1982. Modeling climate changes due to carbon dioxide increases. In W. D. Clark, ed., *Carbon Dioxide Review 1982*, pp. 101–133. London, Oxford University Press. (Thermal inertia values and an albedo parameterization)

* Hanson, B., and C. J. Willmott, 2005. Models – Climatic. In J. E. Oliver, Ed., *Encyclopedia of World Climatology*. Springer. pp. 505–509.

† Huang, S.-Y., Y. Deng, and J. Wang, 2017. Revisiting the global surface energy budgets with maximum-entropy-production model of surface heat fluxes. *Climate Dynamics*, **49**: 1531–1545. DOI: 10.1007/s00382-016-3395-x.

† Kiehl, J. R., and K. E. Trenberth, 1997. Earth’s annual global mean energy budget. *Bull. A. M. S.*, **78**(2): 197–208.

* Robock, A., 1985. An updated climate feedback diagram. *Bull. A. M. S.*, **66**: 786–787. (Figure only.)

Schneider, S. H., and R. E. Dickinson, 1974. Climate Modeling. *Rev. Geophys. Space Phys.*, **12**: 447–493. (Historical interest)

* Trenberth, K. E., J. T. Fasullo, M. A. Balmaseda, 2014. Earth’s energy imbalance. *J. Climate*, **27**(9): 3129–3144.

† Trenberth, K. E., J. T. Fasullo, J. Kiehl, 2009. Earth’s global energy budget. *Bull. A. M. S.*, **90**(3): 311–323.

* (Indicates required reading.)

† (Indicates source of figures or tables used in lecture – this may not be a complete list.)