

















- Jin, H., & Spitler, J. 2002. A parameter estimation based model of water-to-water heat pumps for use in energy calculation programs. *ASHRAE Transactions* 102(1) (pp. 3-17). ASHRAE.
- Kavanaugh, S. 1985. *Simulation and experimental verification of vertical ground-coupled heat pump systems. Ph.D. dissertation.* Stillwater, OK: Oklahoma State University.
- Kavanaugh, S., & Rafferty, K. 1997. *Ground-source heat pumps, design of geothermal systems for commercial and institutional buildings.* Atlanta: ASHRAE.
- Kelvin, W. 1882. *Mathematical and Physical Papers, Vol. 1.* Cambridge University Press.
- Liu, X., & Hellström, G. 2006. Enhancements of an integrated simulation tool for ground-source heat pump system design and energy analysis. *Proceedings of Ecostock 2006, the 10th International Conference on Thermal Energy Storage.* The Richard Stockton College of New Jersey.
- McLain, H., & Martin, M. 1999. A preliminary evaluation of the DOE-2.1E ground vertical well model using Maxey school measured data. *ASHRAE Transactions* 105(2). ASHRAE.
- Mei, V., & Emerson, C. 1985. New approach for analysis of ground-coil design for applied heat pump systems. *ASHRAE Transactions* 91(2) (pp. 1216-1224). ASHRAE.
- Mogensen, P. 1983. Fluid to Duct Wall Heat Transfer in Duct System Heat Storages. *Proceedings of the International Conference on Subsurface Heat Storage in Theory and Practice.* Swedich Council for Building Research.
- Muraya, N., O'Neal, D., & Heffington, W. 1996. Thermal interference of adjacent legs in a vertical U-tube heat exchanger for a ground-coupled heat pump. *ASHRAE Transactions* 102(2), (pp. 12-21).
- Omer, A. (2006). Ground-source heat pumps systems and applications. *Renewable and Sustainable Energy Reviews* .
- Rottmayer, S., Beckman, W., & Mitchell, J. 1997. Simulation of a single vertical U-tube ground heat exchanger in an infinite medium. *ASHRAE Transactions* 103(2) (pp. 651-659). ASHRAE.
- Sanner, B., & Hellström, G. (1996). "Earth Energy Designer", eine software zur Berechnung von Erdwärmesondenanlagen. *Proceeding 4. Geothermische Fachtagung Konstanz, GtV*, (pp. 326-333).
- Shonder, J., & Beck, J. 1999. Determining effective soil temperature thermal properties from field data using parameter estimation technique. *ASHRAE Transactions* 105(1) (pp. 458-466). ASHRAE.
- Spitler, J.D. 2000. GLHEPRO -- A design tool for commercial building ground loop heat exchangers. *Proceedings of the Fourth International Heat Pump in Cold Climates Conference.* Aylmer, Québec.
- Thornton, J., McDowell, T., Shonder, J., & P.J. Hughes, D. P. 1997. Residential Vertical Geothermal Heat Pump System Models: Calibration to Data. *ASHRAE Transactions* 103(2) (pp. 660-674). ASHRAE.
- Wagers, H., & Wagers, M. 1985. The earth-coupled or geothermal heat pump air conditioning system. *Proceedings of the Second Symposium on Improving Building Systems in Hot and Humid Climates.* College Station, TX.
- Yang, H., Cui, P., & Fang, Z. 2010. Vertical-borehole ground-coupled heat pumps: A review of models and systems. *Applied Energy* , 16-17.
- Yavuzturk, C. 1988. *Modeling of vertical ground loop heat exchangers for ground source heat pump systems.* Stillwater, OK: Oklahoma State University.
- Yavuzturk, C., & Spitler, J. 1999. A short time step response factor model for vertical ground loop heat exchangers. *ASHRAE Transactions*, 105(2) (pp. 475-485). ASHRAE.
- Zeng, H., Diao, N., & Fang, Z. 2003. Heat transfer analysis of boreholes in vertical ground heat exchangers. *International Journal of Heat and Mass Transfer* , 4467-4481.