


## LIST OF REFERANCES

- [1]. A.I. Bredenberg. (2013, April 10). The damage done in transportation-which energy source will lead to the greenest highways [Online]. Available: <http://www.news.thomasnet.com>
- [2]. *Sustainable Building Design Guideline for Sri Lanka.*, Green Building Council of Sri Lanka.
- [3]. Matthew Leach, Chad Lobato, Adam Hirsch, Shanti Pless, and Paul Torcellini, “Strategies for 50% Energy Savings in Large Office Buildings,” National Renewable Energy Laboratory.,Colorado, Rep.NREL/TP-550-49213, Sep.2010.
- [4]. F.W. Yu<sup>1</sup>, H.Y. Chu<sup>1</sup>, K.T. Chan<sup>1</sup>, Cary W.H. Chan<sup>2</sup>, Paul S.K. Sat<sup>2</sup>, “Low energy operating strategies for air-cooled chillers serving an office building”, Department of Building Services Engineering., The Hong Kong Polytechnic University, Hong Kong.
- [5]. Engineering pro-guides. (2013, April 16), [Online]. Available: <http://www.engproguides.com/coolingbasics.html>
- [6]. BRE (1984), Standard U-values, Digest No. 108, Building Research Establishment, Watford, UK.
- [7]. M.T.R Jayasinghe, A.K.M. Priyanwada, A.I. Jayawardana, “Orientation of roof and openings: their influence on indoor thermal comfort of single story houses”, University of Moratuwa, Sri Lanka.
- [8]. Catalogue of Material Properties, International Energy Agency., Leuven University, Belgium., 1991, Annex 14, volume 3.
- [9]. David Baggs and Neal Mortensen, “Thermal Mass in Building Design,” in BDP Environmental Design Guide, May 2006, pp 2-3.

- [10]. Eco-Structure. (2014, March 02). Critical Mass [Online]. Available: <http://www.ecobuildingpulse.com/leed/critical-mass.aspx>
- [11]. Keyword Pictures. (2013, February 10). [Online]. Available: [http://www.keywordpicture.com/keyword/world climate zone/](http://www.keywordpicture.com/keyword/world%20climate%20zone/)
- [12]. Agric Lanka. (2013, April 16). [Online]. Available: <http://agriclanka.blogspot.com>.
- [13]. M.T.R Jayasinghe, A.K.M. Priyanwada, A.I. Jayawardana, “Orientation of roof and openings: their influence on indoor thermal comfort of single story houses”, University of Moratuwa, Sri Lanka.
- [14]. National Solar Radiation Data Base. (2014, March 05). [Online]. Available: [http://rredc.nrel.gov/solar/old\\_data/nsrdb/1991-2005/tmy3/](http://rredc.nrel.gov/solar/old_data/nsrdb/1991-2005/tmy3/)
- [15]. Glenn Elert. (1998). Power density of solar radiation [Online]. Available FTP: [hypertextbook.com/facts/1998/Manicapiputbundit.shtml](http://hypertextbook.com/facts/1998/Manicapiputbundit.shtml)
- [16]  Jayasinghe M. T. R., Attalage R. A., “Comfort conditions for built environments in Sri Lanka”, Engineer, Journal of Institute of Engineers, Sri Lanka, Vol: xxix, No: 1, pp 12-23, 1999  
 University of Moratuwa, Sri Lanka  
 Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)
- [17]. Colombo, Sri Lanka-Solar Energy and Surface Meteorology. (2002). [Online]. Available: <http://www.gaisma.com/en/location/colombo-lk.html>
- [18]. Petrus Tri Bhaskoro., Syed Ithsham Ul Haq Gilani., Mohad Shiraz Bin Aris., “ Simulation of intermittent transient cooling load characteristic in an academic building with centralized HVAC system”, in International conference on Environment science and engineering IPCBEE vol.8, Singapore, 2011, PP. 294
- [19]. L. Agnoletto, P. Brunello, R.Zecchin., “Simple Methods for Predicting Thermal Behavior and Energy Consumption in Buildings”, Istituto di Fisica Tecnica, Universita di Padova (Italy).

- [20]. Charles S. Barnaby, Bruce A. Wilcox, “Comparison of Measured and Calculated Residential Cooling Loads”, 2007 ASHRAE.
- [21]. Nathan Mendes, Gustavo H.C. Oliveira and Humberto X. de Araújo, “Building Thermal Performance Analysis by using MATLAB/SIMULINK”, Pontifical Catholic University of Paraná – PUCPR/CCET
- [22]. Jerome Henri Kampf, Darren Robinson, “A Simplified Thermal Model to Support Analysis of Urban Resource Flows”, Solar Energy and Building Physics Laboratory, Station 18, Ecole Polytechnique Federale de Lausanne, 1015 Lausanne, Switzerland 2006.
- [23]. L. Zhu, R. Hurt, D. Correia, R. Boehm, “Detailed Energy Saving Performance Analyses on Thermal mass walls Demonstrated in a Zero Energy House”, School of Architecture, Tianjin University, Tianjin 300072, PR China, Center for Energy Research, University of Nevada, Las Vegas, NV 89154, USA.
- [24]. Paulo Filipe de Almeida Ferreira Tavares, Antonio Manuel de Oliveira Gomes Martins, “Energy Efficient Building Design Using Sensitivity Analysis—A case study” Electrical Engineering Department, Instituto Superior de Engenharia de Coimbra, Rua Pedro Nunes, Quinta da Nora, 3030-199 Coimbra, Portugal, Electrical Engineering Department, Faculty of Science and Technology, University of Coimbra, Polo 2 da UC, Pinhal de Marrocos, 3030-290 Coimbra, Portugal, 2006.
- [25]. Tej Singh Chouhan, Ashish Dutt Sharma, “Assessment of Building Energy Performance for EEMs – A Case Study in Mumbai”, *Research Scholar in Mechanical Engineering JIT University, Vidyanagari, Jhunjhunu–Churu Road, Jhunjhunu, Rajasthan, India.*

- [26]. Brian Burk, Greg Tanski, “Building Performance Analysis of Multi-Family Housing Building with eQuest DOE2 Energy Simulation Tool- Assignment”, 48-722 Building Performance Modeling October 2010.
- [27]. James J.Hirsch, “Data Requirements”, in eQUEST introductory tutorial, version 3.4, 2003, pp. 8
- [28]. Lal Jayamaha, “Chiller system study for World Trade Center Colombo”, LJ Energy Pvt Ltd., Pantech business hub., Singapore. Rep, April. 2012.



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