

A priedas. Ekserginės analizės taikymą mininčių straipsnių sąrašas

Alternatyvi metrika arba metodas

Juwel Chandra Mojumder, Wen Tong Chong, Hwai Chyuan Ong, K.Y. Leong, Abdullah-Al-Mamoon. 2016. An experimental investigation on performance analysis of air type photovoltaic thermal collector system integrated with cooling fins design. *Energy and Buildings* 130 (2016) 272–285.

Biljana Vučićević, Marina Jovanović, Naim Afganb, Valentina Turanjanina 2014. Assessing the sustainability of the energy use of residential buildings in Belgrade through multi-criteria analysis. *Energy and Buildings* 69 (2014) 51–61.

A. Michopoulos, I. Ziogou, M. Kerimis, T. Zachariadis 2017. A study on hot-water production of hotels in Cyprus: Energy and environmental considerations. *Energy and Buildings* 150 (2017) 1–12.

Marija S. Todorovica, Jeong Tai Kimb 2012. Buildings energy sustainability and health research via interdisciplinarity and harmony. *Energy and Buildings* 47 (2012) 12–18.

Liping Wang*, Julie Gwilliam, Phil Jones. 2009. Case study of zero energy house design in UK. *Energy and Buildings* 41 (2009) 1215–1222.

Georgios Martinopoulos*, Konstantinos T. Papakostasb, Agis M. Papadopoulos. 2016. Comparative analysis of various heating systems for residential buildings in Mediterranean climate. *Energy and Buildings* 124 (2016) 79–87.

İlhan Ceylana*, Ali Etem Gürelb, Hüsamettin Demircanc, Bahri Aksu. 2014. Cooling of a photovoltaic module with temperature controlled solar collector. *Energy and Buildings* 72 (2014) 96–101.

Hua Chena, W.L. Leeb*, Xiaolin Wangc 2015. Energy assessment of office buildings in China using China building energy codes and LEED 2.2. *Energy and Buildings* 86 (2015) 514–524.

Je-Yong Kima, Hyun-Jae Changb*, Yong-Ho Jungc, Kyu-Man Chod, Godfried Augenbroe. 2017. Energy conservation effects of a multi-stage outdoor air enabled cooling system in a data center. *Energy and Buildings* 138 (2017) 257–270

Igor Sartori, Assunta Napolitano, Karsten Voss 2012. Net zero energy buildings: A consistent definition framework. *Energy and Buildings* 48 (2012) 220–232.

Milorad Bojić, Kéryn Johannes, Frédéric Kuznik 2014. Optimizing energy and environmental performance of passive Trombe wall. *Energy and Buildings* 70 (2014) 279–286.

David Pineaua, Philippe Rivièreb*, Pascal Stabatb, Phuong Hoanga, Valérie Archambault. 2013. Performance analysis of heating systems for low energy houses. *Energy and Buildings* 65 (2013) 45–54.

Yijun Wang, Xinqiao Jin*, Xing Fang. 2017. Rapid evaluation of operation performance of multi-chiller system based on history data analysis. *Energy and Buildings* 134 (2017) 162–170.

Mahmut Sami Buker*, Saffa B. Riffat. 2015. Recent developments in solar assisted liquid desiccant evaporative cooling technology—A review. *Energy and Buildings* 96 (2015) 95–108.

Shanshan Li, Shuhong Li, Xiaosong Zhang, Simulation research of a hybrid heat source heat pump using R134a, R744 instead of R22 for domestic water heating in residential buildings, *Energy and Buildings*, Volume 91, 2015, Pages 57–64, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2015.01.019>.

Ángel Á. Pardiñas, María Justo Alonso, Rubén Diz, Karoline Husevåg Kvalsvik, José Fernández-Seara, State-of-the-art for the use of phase-change materials in tanks coupled with heat pumps, *Energy and Buildings*, Volume 140, 2017, Pages 28–41, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2017.01.061>.

Ehsan Tavakoli, Nader Montazerin, Stochastic analysis of natural gas consumption in residential and commercial buildings, *Energy and Buildings*, Volume 43, Issue 9, 2011, Pages 2289–2297, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2011.05.017>

Gamze Ozyogurtcu, Moghtada Mobedi, Baris Ozerdem, Techno-economic evaluation of a ventilation system assisted with exhaust air heat recovery, electrical heater and solar energy, *Energy and Buildings*, Volume 72, 2014, Pages 17–23, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2013.12.025>

Lyginama su termodinaminės analizės rezultatais

Yan Gao, Rui Fan, HaiShan Li, Ran Liu, XinXing Lin, HaiBao Guo, YuTing Gao, Thermal performance improvement of a horizontal ground-coupled heat exchanger by rainwater harvest, *Energy and Buildings*, Volume 110, 2016, Pages 302–313, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2015.10.030>.

Kaip optimizavimo metodas

Antonio E. Ruano, Shabnam Pesteh, Sergio Silva, Helder Duarte, Gonçalo Mestre, Pedro M. Ferreira, Hamid R. Khosravani, Ricardo Horta, The IMBPC HVAC system: A complete MBPC solution for existing HVAC systems, *Energy and Buildings*, Volume 120, 2016, Pages 145–158, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2016.03.043>

Clara Verhelst, Filip Logist, Jan Van Impe, Lieve Helsen, Study of the optimal control problem formulation for modulating air-to-water heat pumps connected to a residential floor heating system, *Energy and Buildings*, Volume 45, 2012, Pages 43–53, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2011.10.015>

Sistemos komponentų analizės metodas

H. Willem, Y. Lin, A. Lekov, Review of energy efficiency and system performance of residential heat pump water heaters, *Energy and Buildings*, Volume 143, 2017, Pages 191–201, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2017.02.023>

J. Xamán, I. Hernández-López, R. Alvarado-Juárez, I. Hernández-Pérez, G. Álvarez, Y. Chávez, Pseudo transient numerical study of an earth-to-air heat exchanger for different climates of México, *Energy and Buildings*, Volume 99, 2015, Pages 273-283, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2015.04.041>

X.Q. Zhai, Y. Yang, Experience on the application of a ground source heat pump system in an archives building, *Energy and Buildings*, Volume 43, Issue 11, 2011, Pages 3263-3270, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2011.08.029>

Massimo Cimmino, Parham Eslami-Nejad, A simulation model for solar assisted shallow ground heat exchangers in series arrangement, *Energy and Buildings*, Volume 157, 2017, Pages 227-246, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2016.03.019>

Efektyvumą pagerinantis metodas

Saban Pusat, Hasan Huseyin Erdem, Techno-economic model for district heating systems, *Energy and Buildings*, Volume 72, 2014, Pages 177-185, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2013.12.051>

Maunu Kuosa, Martin Aalto, M. El Haj Assad, Tapio Mäkilä, Markku Lampinen, Risto Lahdelma, Study of a district heating system with the ring network technology and plate heat exchangers in a consumer substation, *Energy and Buildings*, Volume 80, 2014, Pages 276-289, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2014.05.016>

Maryam Fani, Amirhassan Sadreddin, Solar assisted CCHP system, energetic, economic and environmental analysis, case study: Educational office buildings, *Energy and Buildings*, Volume 136, 2017, Pages 100-109, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2016.11.052>

Esteban Sánchez, Javier Izard, Performance of photovoltaics in non-optimal orientations: An experimental study, *Energy and Buildings*, Volume 87, 2015, Pages 211-219, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2014.11.035>

E. Osterman, V. Butala, U. Stritih, PCM thermal storage system for 'free' heating and cooling of buildings, *Energy and Buildings*, Volume 106, 2015, Pages 125-133, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2015.04.012>

Vahid Khalajzadeh, Ghassem Heidarinejad, Jelena Srebric, Parameters optimization of a vertical ground heat exchanger based on response surface methodology, *Energy and Buildings*, Volume 43, Issue 6, 2011, Pages 1288-1294, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2011.01.007>

Mischa Schmidt, M. Victoria Moreno, Anett Schülke, Karel Macek, Karel Mařík, Alfonso Gordaliza Pastor, Optimizing legacy building operation: The evolution into data-driven predictive cyber-physical systems, *Energy and Buildings*, Volume 148, 2017, Pages 257-279, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2017.05.002>

X.Q. Zhai, Y. Yang, Experience on the application of a ground source heat pump system in an archives building, *Energy and Buildings*, Volume 43, Issue 11, 2011, Pages 3263-3270, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2011.08.029>

Muhammet Kayfeci, Determination of energy saving and optimum insulation thicknesses of the heating piping systems for different insulation materials, *Energy and Buildings*, Volume 69, 2014, Pages 278-284, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2013.11.017>

Zoltán Verbai, Imre Csáky, Ferenc Kalmár, Balance point temperature for heating as a function of glazing orientation and room time constant, *Energy and Buildings*, Volume 135, 2017, Pages 1-9, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2016.11.024>

Samo Venko, Daniel Vidal de Ventós, Ciril Arkar, Sašo Medved, An experimental study of natural and mixed convection over cooled vertical room wall, *Energy and Buildings*, Volume 68, Part A, 2014, Pages 387-395, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2013.09.014>

Samo Venko, Erik Pavlovič, Boris Vidrih, Ciril Arkar, Sašo Medved, An experimental study of mixed convection over various thermal activation lengths of vertical TABS, *Energy and Buildings*, Volume 98, 2015, Pages 151-160, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2014.08.036>

Išvadytos kaip alternatyvios studijos

Ercan Atam, Lieve Helsen, A convex approach to a class of non-convex building HVAC control problems: Illustration by two case studies, *Energy and Buildings*, Volume 93, 2015, Pages 269-281, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2015.02.026>

Moon Keun Kim, Hansjürg Leibundgut, Advanced Airbox cooling and dehumidification system connected with a chilled ceiling panel in series adapted to hot and humid climates, *Energy and Buildings*, Volume 85, 2014, Pages 72-78, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2014.09.031>

K.F. Fong, C.K. Lee, System analysis and appraisal of SOFC-primed micro cogeneration for residential application in subtropical region, *Energy and Buildings*, Volume 128, 2016, Pages 819-826, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2016.07.060>

Curtis Harrington, Mark Modera, Swimming pools as heat sinks for air conditioners: California feasibility analysis, *Energy and Buildings*, Volume 59, 2013, Pages 252-264, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2012.12.038>

Marianne F. Touchie, Kim D. Pressnail, Testing and simulation of a low-temperature air-source heat pump operating in a thermal buffer zone, *Energy and Buildings*, Volume 75, 2014, Pages 149-159, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2014.02.015>

Young Tae Chae, Richard K. Strand, Thermal performance evaluation of hybrid heat source radiant system using a concentrate tube heat exchanger, *Energy and Buildings*, Volume 70, 2014, Pages 246-257, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2013.11.078>

F. Berroug, E.K. Lakhal, M. El Omari, M. Faraji, H. El Qarnia, Thermal performance of a greenhouse with a phase change material north wall, *Energy and Buildings*, Volume 43, Issue 11, 2011, Pages 3027-3035, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2011.07.020>

A.J. Marszal, P. Heiselberg, J.S. Bourrelle, E. Musall, K. Voss, I. Sartori, A. Napolitano, Zero Energy Building – A review of definitions and calculation methodologies, *Energy and Buildings*, Volume 43, Issue 4, 2011, Pages 971-979, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2010.12.022>

Kiti įvadyjimo atvejai

Lars Junghans, Peter Widerin, Thermal comfort and indoor air quality of the “Concept 22/26”, a new high performance building standard, *Energy and Buildings*, Volume 149, 2017, Pages 114-122, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2017.05.020>

Niccolò Aste, Stefano Della Torre, Rajendra S. Adhikari, Michela Buzzetti, Claudio Del Pero, Fabrizio Leonforte, Massimiliano Manfren, Sustainable church heating: The Basilica di Collemaggio case-study, *Energy and Buildings*, Volume 116, 2016, Pages 218-231, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2016.01.008>

Hu Lin, Xin-hong Li, Peng-sheng Cheng, Bu-gong Xu, Study on chilled energy storage of air-conditioning system with energy saving, *Energy and Buildings*, Volume 79, 2014, Pages 41-46, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2014.04.047>

Qian Wang, Adnan Ploskić, Sture Holmberg, Retrofitting with low-temperature heating to achieve energy-demand savings and thermal comfort, *Energy and Buildings*, Volume 109, 2015, Pages 217-229, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2015.09.047>

Hakan İbrahim Tol, Svend Svendsen, Effects of boosting the supply temperature on pipe dimensions of low-energy district heating networks: A case study in Gladsaxe, Denmark, *Energy and Buildings*, Volume 88, 2015, Pages 324-334, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2014.10.067>

Ilektra Kefalloniti, Eleni Ampatzi, Building integration of domestic solar combi-systems: The importance of managing the distribution pipework, *Energy and Buildings*, Volume 142, 2017, Pages 179-190, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2017.03.006>

Salmaan Craig, Jonathan Grinham, Breathing walls: The design of porous materials for heat exchange and decentralized ventilation, *Energy and Buildings*, Volume 149, 2017, Pages 246-259, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2017.05.036>

Įvadyjamas termodinaminis efektyvuma

Phillips, Robert & Troup, Luke & Fannon, David & Eckelman, Matthew. (2017). Do Resilient and Sustainable Design Strategies Conflict in Commercial Buildings? A Critical Analysis of Existing Resilient Building Frameworks and Their Sustainability Implications. *Energy and Buildings*. 146. 10.1016/j.enbuild.2017.04.009.

Samuel J.G. Cooper, Geoffrey P. Hammond, Marcelle C. McManus, Alfonso Ramallo-Gonzalez, John G. Rogers, 2014 Effect of operating conditions on performance of domestic heating systems with heat pumps and fuel cell micro-cogeneration, *Energy and Buildings*, Volume 70, 2014, Pages 52-60, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2013.11.077>.

X.Q. Zhai, Y. Yang, 2011. Experience on the application of a ground source heat pump system in an archives building, *Energy and Buildings*, Volume 43, Issue 11, 2011, Pages 3263-3270, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2011.08.029>

A. Chialastri, M. Isaacson, Performance and optimization of a BIPV/T solar air collector for building fenestration applications, *Energy and Buildings*, Volume 150, 2017, Pages 200-210, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2017.05.064>

Wen Tong Chong, Xiao Hang Wang, Kok Hoe Wong, Juwel Chandra Mojumder, Sin Chew Poh, Lip Huat Saw, Sai Hin Lai, Performance assessment of a hybrid solar-wind-rain eco-roof system for buildings, *Energy and Buildings*, Volume 127, 2016, Pages 1028-1042, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2016.06.065>

Demis Pandelidis, Sergey Anisimov, William M. Worek, Performance study of counter-flow indirect evaporative air coolers, *Energy and Buildings*, Volume 109, 2015, Pages 53-64, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2015.10.004>

Sunhee Oh, Yong Cho, Rin Yun, Raw-water source heat pump for a vertical water treatment building, *Energy and Buildings*, Volume 68, Part A, 2014, Pages 321-328, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2013.09.011>

Khaled Bataineh, Yazan Taamneh, Review and recent improvements of solar sorption cooling systems, *Energy and Buildings*, Volume 128, 2016, Pages 22-37, ISSN 0378-7788, <https://doi.org/10.1016/j.enbuild.2016.06.075>