ENVS3055 / ENVSG055 / ENVSM055: Building Engineering Physics



BS EN ISO 7730:2005 Ergonomics of the thermal environment. Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria. (BSI, 2006).

2.

Nicol, F. The limits of thermal comfort: avoiding overheating in European buildings. vol. CIBSE (London, 2013).

3.

Hagentoft, C.-E. Introduction to building physics. (Studentlitteratur, 2001).

4.

Anderson, B. Conventions for U-value calculations.

5.

Lowe, R. J., Wingfield, J., Bell, M., Bell, J.M. Evidence for heat losses via party wall cavities in masonry construction. Building Services Engineering Research & Technology **28**, 161–181 (2007).

6.

Zero Carbon Hub. Thermal Bridging Guide: An introductory guide to thermal bridging in

-	\cup	m	-	\sim	

7.

Shkolnik, A., Taylor, C. R., Finch, V. & Borut, A. Why do Bedouins wear black robes in hot deserts? Nature **283**, 373–375 (1980).

8.

Hagentoft, C.-E. Introduction to building physics. (Studentlitteratur, 2001).

9.

Chartered Institution of Building Services Engineers. Environmental design. vol. CIBSE guide (CIBSE, 2006).

10.

Chartered Institution of Building Services Engineers. Environmental design. vol. CIBSE quide (CIBSE, 2006).

11.

Chartered Institution of Building Services Engineers & Great Britain. Department of Trade and Industry. Heating, ventilating, air conditioning and refrigeration. vol. CIBSE guide (Chartered Institution of Building Services Engineers, 2005).

12.

Chartered Institution of Building Services Engineers. Natural ventilation in non-domestic buildings: CIBSE applications manual AM10: 1997. vol. Applications manual / Chartered Institution of Building Services Engineers (CIBSE, 1997).

13.

Mumovic, D. & Santamouris, M. A handbook of sustainable building design and engineering: an integrated approach to energy, health and operational performance.

(Earthscan, 2009).

14.

Mumovic, D. & Santamouris, M. A handbook of sustainable building design and engineering: an integrated approach to energy, health and operational performance. (Earthscan, 2009).

15.

CIBSE. TM46: Energy Benchmarks.

16.

Hong, S-M; Paterson, G; Burman, E; Steadman, P; Mumovic, D. A comparative study of benchmarking approaches for non-domestic buildings: Part 1 – Top-down approach.

17.

Mommertz, E. Acoustics and sound insulation: principles, planning, examples. vol. Detail practice (Birkhäuser, 2009).

18.

Blesser, B. & Salter, L.-R. Spaces speak, are you listening?: experiencing aural architecture. (MIT Press).

19.

CIBSE. CIBSE Lighting Guide 10: Daylighting — a guide for designers.