

# Corrigenda to Daylight Science and Daylighting Technology

Several typing error were uncovered. They are listed consecutively after pages:

**p. XVII** The current Prof. Page's e-mail address is: [member@univshef.freemove.co.uk](mailto:member@univshef.freemove.co.uk).

**p.36 in line 16** from bottom should be his instead of her.

**p.55 in eq. (3.14)** there is an error in the approximate relation for the daily declination changes in degrees and radians respectively which have to be corrected to correspond with the interrelation of these units, i.e.  $23.45^\circ \pi/180^\circ = 0.4093$ .

Thus in degrees is:

$$\delta = 23.45^\circ \sin \left[ \frac{360}{365} (J - 81) \right] \quad (^\circ) \quad (3.14a)$$

while in radians it is

$$\delta = 0.4093 \sin \left[ \frac{2\pi}{365} (J - 81) \right] \quad (\text{rad}) \quad (3.14b)$$

**p.55 in both eq. (3.15a) and (3.15b)** the two members in arccos brackets have to be added, i.e. instead of minus there should be a plus sign.

**p.58 in eq. (3.20)** please delete minus in the denominator,

**p.60 line 10** should be  $\cos i = \sin Z_s \cos A_z$  (as evident applying the assumption quoted),

**p.65 in eq. (3.35)** the first denominator should be 373 instead of 273.

**p. 297 Table 11.1** delete superscript <sup>a</sup> at Stevens (<sup>a</sup> Stevens), add superscript <sup>a</sup> at Hopkinson (<sup>a</sup> Hopkinson)

**p.306 – 308 in the references of Chapter 11 the following are missing:**

Abribat, M.: Les contrastes de brillances dans la nature et dans ses représentations. Compte Rendu de la Réunion de l'Institut d'Optique 3, 3-27 (1935)

Hopkinson, R.G.: Discussion on paper by Wright, W., D.: Trans., I.E.S. (London) 4, 13 (1939)

Hopkinson, R.G.: The multiple criterion technique of subjective appraisal. Quarterly Journal of Experimental Psychology, 2, 124 (1950)

Hopkinson, R., G.: Assessment of Brightness: What We See. Illuminating Engineering Invited Paper, 50<sup>th</sup> Anniversary Convocation, National Technical Committee, Sept. 18, 1956. Boston (1957)

Hopkinson, R.G.: Evaluation of Glare. Illuminating Engineering, **52**, 305-316 (1957)

MacGowan, D.: Determination of modified external components of daylight factor and glare index using LIAM diagrams. Lawrence Berkeley Laboratory, U.C. Berkeley, CA, Private Report (1981)

Nutting, P.G.: Effects of Brightness and Contrast in Vision. Transactions of the Illuminating Engineering Society, **XI**, 12, 939 (1916)

Stevens, J. C. and Marks, L. E.: Stevens's power law in vision: Exponents, intercepts, and thresholds. Proceedings of the Fifteenth Annual Meeting of the International Society for Psychophysics, 87-92 (1999)

Wright, W.D.: The Response of the eye to light in relation to the measurement of subjective brightness and contrast. Transactions of the Illuminating Engineering Society, IV, January (1939)

Additional list of references to Chapter 11 and a note explaining in more detail facts on p. 296 can be found on the www side

<http://www.ustarch.sav.sk/ustarch/index.php/en/departments/building-physics/90-daylight-science-and-daylighting-technology>.

Daylight Science and Daylighting Technology

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