Eur J Appl Physiol (2002) 86: 373
DOI 10.1007/s00421-001-0571-3

ERRATUM

Iwajlo M. Kandjov

Thermal stability of the human body under hyperbaric environmental conditions: a theoretical study

Published online: 18 December 2001

Eur J Appl Physiol (2001) 85:572–577

As a result of technical problems, some of the abbreviations in Table 1 were wrong. A correct version of the table appears below.

Table 1 Definitions of abbreviations used in the text

Abbreviation	Definition	Units
ATA	Atmospheres absolute	atm
c	Constant in heat transfer equations	None
C	Convective heat loss from body surface	$W \cdot m^{-2}$
d	Diameter of man equivalent cylinder	m
D	Diffusion coefficient of water vapour in gas mixture	$m^2 \cdot s^{-1}$
D_o	Diffusion coefficient of water vapour in air	$m^2 \cdot s^{-1}$
e_a	Water vapour pressure in ambient air	mmHg
e_s	Water vapour pressure on body surface	mmHg
g	Gravitational constant	$m \cdot s^{-2}$
Gr	Grashof number $[(\beta \cdot g \cdot d^3 \cdot \Delta T) \cdot (v)^{-2}]$	None
h_c	Convective heat transfer coefficient in gas mixture	$W \cdot m^{-2} \cdot °C^{-1}$
h_{co}	Convective heat transfer coefficient in air	$W \cdot m^{-2} \cdot °C^{-1}$
h_D	Mass transfer coefficient	$m \cdot s^{-1}$
h_e	Evaporative heat transfer coefficient in gas mixture	$W \cdot m^{-2} \cdot mmHg^{-1}$
h_{eo}	Evaporative heat transfer coefficient in air	$W \cdot m^{-2} \cdot mmHg^{-1}$
I	Heat flow of solar radiation on human body surface	$W \cdot m^{-2}$
k	Thermal conductivity of gas mixture	$W \cdot m^{-1} \cdot °C^{-1}$
k_o	Thermal conductivity of atmospheric air	$W \cdot m^{-1} \cdot °C^{-1}$
LR	Lewis relationship $(h_e \cdot h_c^{-1})$	$°C \cdot mmHg^{-1}$
M	Metabolic heat production	$W \cdot m^{-2}$
Nu	Nusselt number $[(h_c \cdot d) \cdot k^{-1}]$	None
P	Ambient pressure in gas mixture environment	ATA
P_o	Atmospheric pressure at sea level	1 ATA
Pr	Prandtl number $(v_n \cdot a^{-1})$	none
R	Radiative heat loss	$W \cdot m^{-2}$
Re	Reynolds number $[(v \cdot d) \cdot v_n^{-1}]$	none
RHL	Respiratory heat loss	$W \cdot m^{-2}$
Sh	Sherwood number $[(h_D \cdot d) \cdot D^{-1}]$	None
ΔT	Temperature difference at the body-gas interface	°C
U	Sum of heat flows	$W \cdot m^{-2}$
β	Coefficient of volume expansion of air	$°C^{-1}$
v	Kinematic viscosity of mixture	$m^2 \cdot s^{-1}$
v_o	Kinematic viscosity of atmospheric air	$m^2 \cdot s^{-1}$

The online version of the original article can be found at http://dx.doi.org/10.1007/s004210100412

I.M. Kandjov
Medical Climatology Department, National Centre of Physical Therapy and Rehabilitation, 2-v Ovcha Kupel Blvd, 1618 Sofia, Bulgaria
E-mail: ncflr@datacom.bg
Tel.: +359-2-9557640; Fax: +359-2-553023