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### NOMENCLATURE AND ABBREVIATIONS

	Latin Symbols	
Letter	Description	Unit
А	area,	m <sup>2</sup>
$C_p$	constant pressure specific heat,	J kg <sup>-1</sup> K <sup>-1</sup>
C <sub>v</sub>	constant volume specific heat,	J kg <sup>-1</sup> K <sup>-1</sup>
h	convective heat transfer of radiator sheet,	$W m^{-2} K^{-1}$
k	thermal conductivity,	$W m^{-1} K^{-1}$
L 735	thickness,	m ZOS
m	mass,	kg
• m	mass flow rate,	kg s <sup>-1</sup>
Q	heat transfer,	J
$\dot{\varrho}$	rate of heat transfer	W
Т	temperature,	К
U	overall heat transfer coefficient,	$W m^{-2} K^{-1}$
van	volume 1918188	m <sup>3</sup> SOINU
	ht by Chiang Ma Greek Letters	i University
Letter	Description US P	S <sub>Unit</sub> rved
$\Delta t$	time interval,	S
ε	emissivity of the radiator surface	
ρ	density,	kg m <sup>-3</sup>

## Subscripts and Superscripts

Letter	Description
а	ambient
air	air
coil	heat exchanger coil
convection	convection
dp	dew point
gain	gain from surrounding to the storage tank
gain(room)	gain from surrounding to tested room
i	the present number of calculation
<i>i</i> +1	the later number of calculation
i-1	the former number of calculation
ins	storage tank insulation
ins(room)	tested room insulation
load	load from artificial heater
load(overall)	total cooling load during the daytime
ритр	submersible pump
rad	radiator
radiation	radiation hts reserved
removed	removed at the cooling coil
room	room
sky	atmosphere and outer space

stored	stored in storage tank
stored(room)	stored in tested room
tank	storage tank
w	water
wc	water in heat exchanger coil
wc(in)	water in heat exchanger coil at inlet point
wc(out)	water in heat exchanger coil at outlet point