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NOMENCLATURE

<i>PCM</i>	Paraffin wax
<i>g</i>	Glass
<i>C</i>	Total cost of solar still
<i>F</i>	Fixed cost of solar still
<i>V</i>	Variable cost of solar still
<i>n</i>	Life expectancy for solar still
<i>S</i>	Standard deviation
<i>SE</i>	Standard error
α	absorptivity
<i>R</i>	reflectivity
$\tau(t)$	Transmissivity
T_w	Water temperature
T_g	Glass cover temperature
A_b	Solar still basin area
$I(t)$	Total incident radiation
$h_{t,w-g}$	Total heat transfer coefficient between the glass cover and the water
$h_{c,w-g}$	Coefficient of heat transfer by convection between the glass cover and the water
$h_{e,w-g}$	Coefficient of heat transfer by evaporation between the glass cover and the water
$h_{r,w-g}$	Coefficient of heat transfer by radiation between glass cover and water
$h_{r,g-a}$	the total coefficient of heat transfer from glass cover to the ambient
h_{fg}	Latent heat of evaporation of water
P_w	Vapour pressure at water temperature
P_g	Vapour at the glass temperature
\dot{m}_w	Mass transfer of water vapor
m_w	The amount of productivity of water distilled
\dot{m}_{wd}	Daily distillate per unit area
η_d	The daily efficiency of solar still