

<i>SMAHC</i>	SMAHC
<i>width</i>	Width of the SMAHC
<i>length</i>	Active length of the SMAHC
<i>dist_sub_sma</i>	Distance between centerline of the substrate and centerline of the SMA
<i>hslt</i>	Homogeneous SMA-layer thickness, according to equation \ref{eq_homogenius_layer}
<i>stiffness</i>	Stiffness of the SMAHC against the SMA contraction according to equation \ref{eq_substrate_bending}
<i>w</i>	SMA wire
<i>g</i>	Grid
<i>s</i>	Substrate
<i>d</i>	Interlayer

<i>w</i>	SMA wire
<i>rho</i>	Density
<i>diameter</i>	Diameter
<i>radius</i>	Radius
<i>Crossection_area</i>	Crossection area
<i>Circumference</i>	Circumference
<i>CMs</i>	Stress induced coefficient of Martensite start temperature
<i>CMf</i>	Stress induced coefficient of Martensite finish temperature
<i>CAs</i>	Stress induced coefficient of Austenite start temperature
<i>CAf</i>	Stress induced coefficient of Austenite finish temperature
<i>As</i>	Austenite start temperature
<i>Af</i>	Austenite finish temperature
<i>Ms</i>	Martensite start temperature
<i>Mf</i>	Martensite finish temperature
<i>max_strain_zero_load</i>	Transformation strain for zero load level $\epsilon(\sigma = 0)$
<i>EA</i>	Young's modulus in austenitic state
<i>EM</i>	Young's modulus in martensitic state
<i>dH_M_to_A</i>	Transformation enthalpie for martensite to austenite transformation
<i>dH_R_to_M</i>	Transformation enthalpie for R-phase to martensite transformation
<i>cA</i>	Specific heat capacity in austenitic state
<i>cM</i>	Specific heat capacity in martensitic state
<i>rM</i>	Resistivity in martensitic state
<i>rA</i>	Resistivity in austenitic state
<i>k</i>	Exponential fit coefficient for transformation strain distinction
<i>max_trans_strain</i>	Maximum transformation strain ϵ_{max}
<i>length</i>	Length
<i>volume</i>	Volume
<i>mass</i>	Mass
<i>surface</i>	Surface
<i>resM</i>	Resistance in martensitic state
<i>resA</i>	Resistance in austenitic state

<i>g</i>	Grid
<i>n</i>	Amount of wires
<i>dist</i>	Distance between parallel wire centerlines
<i>resM</i>	The grids resistance in martensitic state for series connection
<i>resA</i>	The grids resistance in austenitic state for series connection

<i>d</i>	Interlayer
<i>length</i>	Length
<i>heigth</i>	Thickness
<i>width</i>	Width
<i>lam</i>	Thermal conductivity
<i>c</i>	Specific heat capacity
<i>rho</i>	Density

<i>s</i>	Substrate
<i>length</i>	Length
<i>heigth</i>	Thickness
<i>width</i>	Width
<i>I</i>	Area moment of inertia
<i>E</i>	Young's modulus
<i>lam</i>	Thermal conductivity
<i>c</i>	Specific heat capacity
<i>rho</i>	Density