ICING PROCESS

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Summary

Nomenclature

A	area
c	chord
c_d	drag coefficient
C_f	friction coefficient
c_p	const. pressure spec. heat
c_w	spec. heat of liquid water
d	droplet dimension, diameter
D	drag force, body characteristic dimension
e^{sat}	water saturation pressure
E	total collection efficiency
f	freezing fraction
h	enthalpy
h^0	total enthalpy
h_c	convective heat transfer coefficient
k	(c_p/c_v)
K_A	wetness fraction
K_L	Langmuir parameter
K_s	standard sand grain roughness
L	lift force, Lewis number
LWC	air liquid water content
$\dot{m}$	mass flow
mm	molecular mass
M	rotation moment
MVD	mean droplet dimension
Nu	Nusselt number
p	static pressure
Pr	Prandtl number
p^0	total pressure
$\dot{q}$	heat flux
r	radius or recovery factor
R	blade length
Re	Reynolds number
R_G	universal gas constant
R_h	relative humidity
s	surface coordinate
t	thickness, time
T	temperature
T^0	total air temperature