

Parameter	Description	Test problem 1 value	Test problem 2 value
$\rho(kg/m^3)$	Reference fluid density	1.0565	1.0565
S	Sutherland's coefficient	1.45E-6	2.9E-6
$T(K)$	Temperature	278	278
$v(m/s)$	Reference velocity	340	340
$L(m)$	Diameter	8E-5	8E-5
Re	Reynold's number	165.90	82.95