Constants	Value	Units	Description
C_1	1.458e-06	$\left[\frac{\text{kg}}{(\text{K}^{0.5}\cdot\text{m}\cdot\text{s})}\right]$	Sutherland coefficient
L	0.0065	$\left[\frac{\text{K}}{\text{m}}\right]$	Temperature lapse rate
R	287	$\left[\frac{\text{J}}{(\text{K}\cdot\text{kg})}\right]$	Specific gas constant (air)
T_0	288.1	[K]	Temperature at sea level
T_s	110.4	[K]	Sutherland Temperature
g	9.81	$\left[\frac{\text{m}}{\text{s}^2}\right]$	Gravitational acceleration
p_0	1.013e+05	[Pa]	Pressure at sea level
p_1	22,630	[Pa]	Pressure at 11 km altitude