Wind Chill Formula.

WIND CHILL (Cal/m²/hr) =

\[
(\left(\sqrt{w_3(m\text{ sec}^{-1})} \times 100 + 10.45 \right) - W_3) \times (33 - T_c)
\]

where

\[w_3 = \text{wind speed (in m sec}^{-1}\text{)}\]

\[T_c = \text{temperature (in } ^\circ\text{C)}\]