#DWSIM物性公式序号

Select Case eqno

Case "1"

Return A

Case "2"

Return A + B \* T

Case "3"

Return A + B \* T + C \* T ^ 2

Case "4"

Return A + B \* T + C \* T ^ 2 + D \* T ^ 3

Case "5"

Return A + B \* T + C \* T ^ 2 + D \* T ^ 3 + E \* T ^ 4

Case "6"

Return A + B \* T + C \* T ^ 2 + D \* T ^ 3 + E / T ^ 2

Case "10"

Return Exp(A - B / (T + C))

Case "11"

Return Exp(A)

Case "12"

Return Exp(A + B \* T)

Case "13"

Return Exp(A + B \* T + C \* T ^ 2)

Case "14"

Return Exp(A + B \* T + C \* T ^ 2 + D \* T ^ 3)

Case "15"

Return Exp(A + B \* T + C \* T ^ 2 + D \* T ^ 3 + E \* T ^ 4)

Case "16"

Return A + Exp(B / T + C + D \* T + E \* T ^ 2)

Case "17"

Return A + Exp(B + C \* T + D \* T ^ 2 + E \* T ^ 3)

Case "45"

Return A \* T + B \* T ^ 2 / 2 + C \* T ^ 3 / 3 + D \* T ^ 4 / 4 + E \* T ^ 5 / 5

Case "75"

Return B + 2 \* C \* T + 3 \* D \* T ^ 2 + 4 \* E \* T ^ 3

Case "100"

Return A + B \* T + C \* T ^ 2 + D \* T ^ 3 + E \* T ^ 4

Case "101"

Return Exp(A + B / T + C \* Log(T) + D \* T ^ E)

Case "102"

Return A \* T ^ B / (1 + C / T + D / T ^ 2)

Case "103"

Return A + B \* Exp(-C / (T ^ D))

Case "104"

Return A + B / T + C / T ^ 2 + D / T ^ 8 + E / T ^ 9

Case "105"

Return A / (B ^ (1 + (1 - T / C) ^ D))

Case "106"

Return A \* (1 - Tr) ^ (B + C \* Tr + D \* Tr ^ 2 + E \* Tr ^ 3)

Case "107"

Return A + B \* (C / T / Sinh(C / T)) ^ 2 + D \* (E / T / Cosh(E / T)) ^ 2

Case "114"

Return A \* T + B \* T ^ 2 / 2 + C \* T ^ 3 / 3 + D \* T ^ 4 / 4

Case "115"

Return Exp(A + B / T + C \* Log(T) + D \* T ^ 2 + E / T ^ 2)

Case "116"

Return A + B \* (1 - Tr) ^ 0.35 + C \* (1 - Tr) ^ (2 / 3) + D \* (1 - Tr) + E \* (1 - Tr) ^ (4 / 3)

Case "117"

Return A \* T + B \* (C / T) / Tanh(C / T) - D \* (E / T) / Tanh(E / T)

Case "119"

Return Exp(A / T + B + C \* T + D \* T ^ 2 + E \* Log(T))

Case "207"

Return Exp(A - B / (T + C))

Case "208"

Return 10 ^ (A - B / (T + C))

Case "209"

Return 10 ^ (A \* (1 / T - 1 / B))

Case "210"

Return 10 ^ (A + B / T + C \* T + D \* T ^ 2)

Case "211"

Return A \* ((B - T) / (B - C)) ^ D

Case "212"

Return Exp((E / T) \* (A \* (1 - T / E) + B \* (1 - T / E) ^ 1.5 + C \* (1 - T / E) ^ 3 + D \* (1 - T / E) ^ 6))

Case "213"

Return (E / T) \* (A \* (1 - T / E) + B \* (1 - T / E) ^ 1.5 + C \* (1 - T / E) ^ 3 + D \* (1 - T / E) ^ 6)

Case "221"

Return -B / T ^ 2 + C / T + D \* E \* T ^ (E - 1)

Case "230"

Return -B / T ^ 2 + C / T + D - 2 \* E / T ^ 3

Case "231"

Return B - C / (T - D) ^ 2

Case Else

Return 0.0#