

Thermodynamics And Introductory Statistical Mechanics Pdf Free

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Van Wylen, G. J. And Sonntag, R. E., Fundamentals Of
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Wiley And Sons, New York, ISBN 0-471-04188-2. Jan
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Variables C_p , C_v , P , V , T ? As A Sample Application, We
Can Assume The Ideal Gas Equation Of State. $V = RT/P$
 $\Rightarrow (\partial V / \partial T)_P = R/P$. Substitution $\Rightarrow \Delta S = C_p \ln(T_2/T_1) - R \ln(P_2/P_1)$
Applying $\Delta S = 0 \Rightarrow \ln(T_2/T_1) = R/C_p \ln(P_2/P_1) \Rightarrow (T_2/T_1) = (P_2/P_1)^{(C_p - C_v)/C_p}$
 $T_2/T_1 = (P_2/P_1)^{(C_p - C_v)/C_p}$

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Of Statistical Physics And Thermal Physics, McGraw-

Hill. ... Mar 21th, 2024 Thermodynamics And Statistical

Mechanics We Can Forget That The Results Are

Statistical At All, And Treat Them As Exact Laws Of

Physics. For Instance, The Familiar Equation Of State

Of An Ideal Gas, $PV = \nu RT$ (see Section 6.2), Is Actually A

Statistical Result. In Other Words, It Relates The

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And Thermal Physics (1965). The Standard Textbook
For Many Years After Its 1965 Publication, And Still
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