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Like PVT cubic equation of state, parameters a and b in Equation (6) can be replaced by corresponding dimensionless forms i.e. A and B as shown in Equation (14) ...

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additional information on equations of state are given in the article pvt in physics and thermodynamics an equation of state is a thermodynamic equation relating state variables which describe the state of matter under a given set of physical conditions such as pressure volume temperature pvt or internal energy equations of state and pvt

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