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### Equation of state - Wikipedia

hydrocarbon systems and documents the ability of Equations of State (EOS) in modeling their behavior. The main objective of this book is to provide the practicing engineer and engineering student with tools needed to solve problems that require a description of the PVT of hydrocarbon systems from their compositions.

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Being able to model the complex behavior found in PVT relationships, data modeling greatly simplifies both the presentation and the use of the data. A suitable model for the simple two-phase behavior of amorphous polymers is the Double Domain Tait Equation, commonly viewed in practice as having an acceptable fitting capability.

### Pvt Equation of State - an overview | ScienceDirect Topics

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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) and Equation (15). ...

### **Equations of state and PVT analysis - ResearchGate**

A PVT relationship is one of the forms of the equations of state (see Equations of State), which relates the pressure, molar volume  $V$  and the temperature  $T$  of physically homogeneous media in thermodynamic equilibrium.

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