

Saturated liquid molar volume  
(illustrative units)

**schematic (illustrative)  
not a real cubic or SAFT calculation**

reference (e.g. experiment)

cubic EOS: overpredicts  
liquid volume (no association term)

SAFT-type EOS: tracks the reference  
( $a_{assoc}$  captures H-bonding)

Reduced temperature,  $T_r$

