Errata to *Principles of Heating, Ventilating, and Air Conditioning*  
2/21/06  
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Fig. 2-5 Pressure-Enthalpy Diagram for Refrigerant 134a
(Figure 8, chapter 20, 2005 ASHRAE Handbook—Fundamentals)
Fig. 2-6 Enthalpy-Concentration Diagram for Aqua-Ammonia
(Figure 33, chapter 20, 2005 ASHRAE Handbook—Fundamentals)
EQUATIONS

1. \( t = A + \frac{B}{t} \)
2. \( t' = \frac{(t - B)}{A} \)
3. \( A = -2.00755 + 0.16976X - (3.133362 \times 10^{-3})X^2 + (1.97668 \times 10^{-5})X^3 \)
4. \( B = 321.128 - 19.322X + 0.374382X^2 - (2.0637 \times 10^{-3})X^3 \)
5. \( \log_{10}P = C + D(t' + 459.72) + E(t' + 459.72)^2 \)
6. \( t' = D + [D^2 - 4E(C - \log_{10}P)]^{0.5} - 459.72 \)

Temperature Range (Refrigerant) \( 0 < t' \leq 230^\circ F \)
Temperature Range (Solution) \( 40 < t \leq 350^\circ F \)
Concentration Range \( 45\% < X \leq 70\% \)

\( C = 6.21147 \)
\( D = -2886.373 \)
\( E = -337268.46 \)

\( t' = \) Refrigerant Temperature, \(^\circ F\)
\( t = \) Solution Temperature, \(^\circ F\)
\( X = \) Percent LiBr
\( P = \) psia

**Fig. 2-7a Equilibrium Chart for Aqueous Lithium Bromide Solutions**

(Geometry)
Fig. 9-2 SI Friction of Air in Straight Ducts
(Figure 9, chapter 35, 2005 ASHRAE Handbook—Fundamentals)