fugacity, \( f, \bar{p} \)

Of a substance \( B \), \( f_B \) or \( \bar{p}_B \), in a gaseous mixture is defined by \( f_B = \lambda_B \lim_{p \to 0} \frac{p_B}{a_B} \), where \( p_B \) is the partial pressure of \( B \) and \( \lambda_B \) its absolute activity.

**Source:**
Green Book, 2nd ed., p. 50

**See also:**
PAC, 1994, 66, 533 *Standard quantities in chemical thermodynamics. Fugacities, activities and equilibrium constants for pure and mixed phases (IUPAC Recommendations 1994)* on page 539
PAC, 1984, 56, 567 *Physicochemical quantities and units in clinical chemistry with special emphasis on activities and activity coefficients (Recommendations 1983)* on page 571