

$$\frac{\partial \rho^*(r^*; t^*)}{\partial t^*} = k_a^*(r^*) c_0^*(r^*) \phi(r^*; t^*) - k_d^*(r^*) \rho^*(r^*; t^*) \quad (\text{A2})$$

$$\int_0^\infty r^* c_0^*(r^*) dr^* = 1 \quad (\text{A4})$$

where

$$k_a^*(r^*) = \frac{k_a(r)}{k_a(R)}, \quad k_d^*(r^*) = \frac{R k_d(r)}{k_a(R)}$$

It is easy to show that the dimensionless distributions must satisfy the following relations:

$$\int_0^\infty c_0^*(r^*) dr^* = 1 \quad (\text{A3})$$

For example, if the polydispersity of a latex sphere solution can be described by:

$$c_0(r) = a r e^{-\lambda r} \quad (\text{A5})$$

for which  $C_0 = a/\lambda^2$ ,  $R = 2/\lambda$ , then one need only consider the dimensionless distribution:

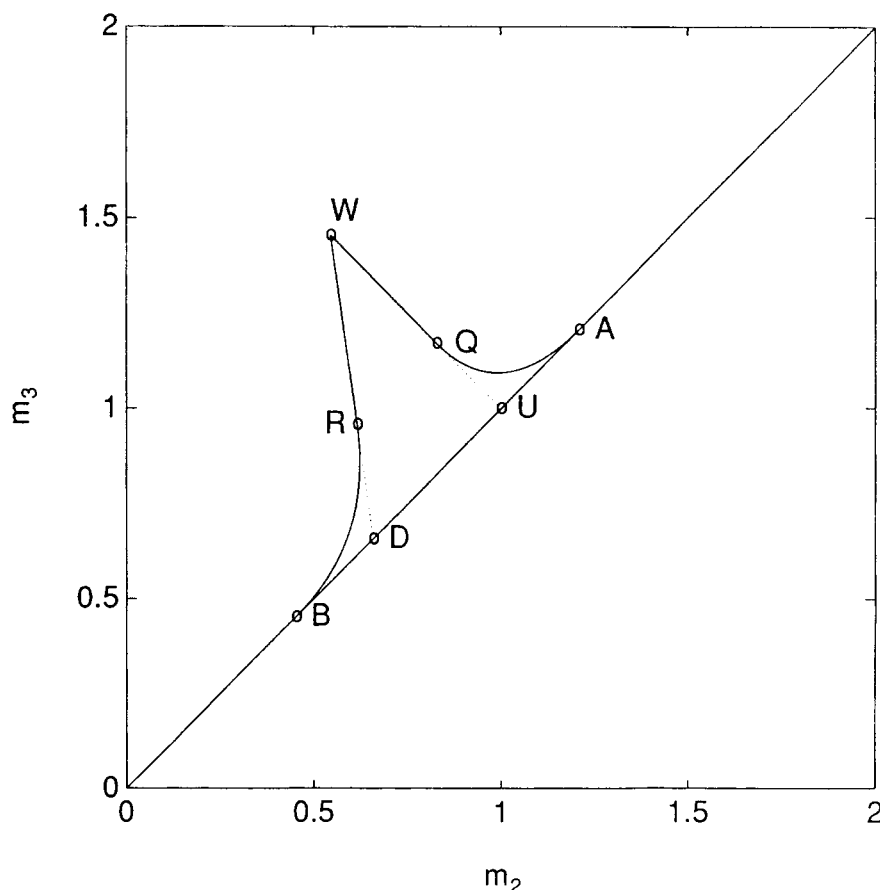
$$c_0^*(r^*) = 4 r^* e^{-2 r^*} \quad (\text{A6})$$

and

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## Erratum

In the article titled "Robust Design of Binary Countercurrent Adsorption Separation Processes" (March 1993, p. 471), an incorrect Figure 8 (p. 480) was placed inadvertently. Here is the correct figure:



**Figure 8.** Region of complete separation in the  $m_2$ - $m_3$  plane, in the case where  $\Omega_F < K_D$ ,  $K_A = 2.67$ ,  $K_B = 1$ ,  $K_D = 2.21$ ,  $y_A^F = 0.5$ ,  $y_B^F = 0.5$ ,  $\Omega_F = 1.46$ .