

Michael Mulholland	Applied Process Control – Essential Methods	2016	ISBN 978-3-527-34119-1, Wiley-VCH, 460pp
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Important corrections:

Equation 4.42 and Figure 4.11

ERRONEOUS EQUATION:

$$u_{i+1} = \left\{ \frac{2}{\gamma+1} \right\} u_i + \left\{ \frac{\gamma-1}{\gamma+1} \right\} u_{i-1} + \delta(r_{i+1} - b_{i+1}) + \varepsilon(r_i - b_i) + \phi(r_{i-1} - b_{i-1}) - \rho b_{i+1} + 2\rho b_i - \rho b_{i-1}$$

CORRECT EQUATION:

$$u_{i+1} = \left\{ \frac{1}{\gamma+1} \right\} \{ 2u_i + (\gamma-1)u_{i-1} + \delta(r_{i+1} - b_{i+1}) + \varepsilon(r_i - b_i) + \phi(r_{i-1} - b_{i-1}) - \rho b_{i+1} + 2\rho b_i - \rho b_{i-1} \}$$

Equation 6.20

ERRONEOUS EQUATION:

$$\mathbf{Y} = \mathbf{YV}' = \begin{bmatrix} -1 & -3 & 3 \\ 0 & 1 & -3 \\ 12 & 2 & 9 \\ -9 & 0 & -7 \\ -7 & -4 & -2 \\ 5 & 4 & 0 \end{bmatrix} \begin{bmatrix} 0.8237 & -0.2662 \\ 0.1781 & -0.7167 \\ 0.5383 & 0.6445 \end{bmatrix} = \begin{bmatrix} 0.2567 & 4.3500 \\ -1.4367 & -2.6503 \\ 15.0855 & 1.1730 \\ -11.1815 & -2.1160 \\ -7.5551 & 3.4412 \\ 4.8311 & -4.1979 \end{bmatrix}$$

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