

# Errata

## Relationships for Motor Temperature Sensitivity

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ON page 725 the values for the parameter  $n$  outside the square brackets in Eqs. (15) and (16) should be the respective final values of  $n$  and not the initial value,  $n_1$ . The

final values for  $n$  outside the square brackets are  $n_2$  in Eq. (15) and  $n_3$  in Eq. (16). Thus, the correct equations are

$$\pi_K = \frac{1}{1 - n_2} \left[ \frac{\ell_n c_2 - \ell_n c_1}{T_2 - T_1} + \ell_n p_A \left( \frac{n_2 - n_1}{T_2 - T_1} \right) + \pi_c \right] \quad (15)$$

and

$$\pi_K = \frac{1}{1 - n_3} \left[ \frac{\ell_n c_3 - \ell_n c_1}{T_2 - T_1} + \ell_n p_A \left( \frac{n_3 - n_1}{T_2 - T_1} \right) + \pi_c \right] \quad (16)$$

For Eq. (15),  $n_2$  represents the value of the exponent at the final or higher temperature along a line of constant pressure from the initial condition (assumed in the derivation of that equation). For Eq. (16),  $n_3$  represents the value of the exponent at the final or higher temperature along a line of constant propellant area ratio  $K$  from the initial condition (assumed in the derivation of that equation).