

テキストシリーズ「伝熱工学」初版 第1刷～第4刷（2007/10/20 発行）正誤表

No	頁	行	誤	正(下線部訂正)
1	155	ex.5.27	$\exp(-R^2) = \sum_{n=0}^{\infty} \frac{R^{2n}}{n!} = 1 + R^2 + \frac{1}{2!}R^4 + \frac{1}{3!}R^6 + \dots$	$\exp(-R^2) = \sum_{n=0}^{\infty} \frac{(-1)^n R^{2n}}{n!} = 1 - R^2 + \frac{1}{2!}R^4 - \frac{1}{3!}R^6 + \dots$
2	156	ex.5.29	$\exp(-R^2) \cong 1 + R^2$	$\exp(-R^2) \cong 1 - R^2$
3	156	ex.5.31	$\frac{1+R^2}{\frac{2}{\sqrt{\pi}}R} - A \frac{1+\alpha_1/\alpha_2 R^2}{1-\frac{2}{\sqrt{\pi}}\sqrt{\alpha_1/\alpha_2}R} = BR$	$\frac{1-R^2}{\frac{2}{\sqrt{\pi}}R} - A \frac{1-\alpha_1/\alpha_2 R^2}{1-\frac{2}{\sqrt{\pi}}\sqrt{\alpha_1/\alpha_2}R} = BR$
4	156	ex.5.33	$(-\frac{2}{\sqrt{\pi}}\sqrt{\frac{\alpha_1}{\alpha_2}} - A \frac{k_2}{k_1} \frac{2}{\sqrt{\pi}} + \frac{4}{\pi} B \sqrt{\frac{\alpha_1}{\alpha_2}})R^3 + (1 - \frac{2}{\sqrt{\pi}}B)R^2 + (-\frac{2}{\sqrt{\pi}}\sqrt{\frac{\alpha_1}{\alpha_2}} - A \frac{2}{\sqrt{\pi}})R + 1 = 0$	$(\frac{2}{\sqrt{\pi}}\sqrt{\frac{\alpha_1}{\alpha_2}} + A \frac{\alpha_1}{\alpha_2} \frac{2}{\sqrt{\pi}} + \frac{4}{\pi} B \sqrt{\frac{\alpha_1}{\alpha_2}})R^3 + (-1 - \frac{2}{\sqrt{\pi}}B)R^2 + (-\frac{2}{\sqrt{\pi}}\sqrt{\frac{\alpha_1}{\alpha_2}} - A \frac{2}{\sqrt{\pi}})R + 1 = 0$
5	156	ex.5.35	$R = 0.18$	$R = \underline{0.188}$
6	156	ex.5.36	$\xi = 2R\sqrt{\alpha_1 t} = 3.98 \times 10^{-4} \sqrt{t}$	$\xi = 2R\sqrt{\alpha_1 t} = \underline{4.07} \times 10^{-4} \sqrt{t}$
7	156	ex.5.37	$\xi = 3.98 \times 10^{-4} \sqrt{1800} = 1.69 \times 10^{-2} \text{ m}$	$\xi = \underline{4.07} \times 10^{-4} \sqrt{1800} = 1.73 \times 10^{-2} \text{ m}$

2008/5/7 作成