Student Solution Manual Errata

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We thank Peng Zhao for the following correction

Page 73   Solution to Exercise 3.4.5: Several corrections are needed, in the part beginning "On the other hand":

In the displayed equation, the term beginning $4C$ should be $8C$. This leads to $a = 1/3$, $b + 4c = 8/3$, and $c = 1/3$. Thus the text should read

$$\int_0^{2h} f(t)\,dt = 2Ah + 4B\frac{h^2}{2} + 8C\frac{h^3}{3} + \int_0^{2h} R(t)\,dt.$$

Note that $\int_0^{2h} R(t)\,dt \in o(h^3)$. Thus we find

$$
\begin{aligned}
a + b + c &= 2 \\
b + 2c &= 2 \\
b + 4c &= \frac{8}{3}
\end{aligned}
\quad \text{with solution} \quad
\begin{aligned}
a &= \frac{1}{3} \\
b &= \frac{4}{3} \\
c &= \frac{1}{3}
\end{aligned}.
$$