

Errata to: Dimensional Analysis

Qing-Ming Tan

Errata to:
Q.-M. Tan, *Dimensional Analysis*,
DOI [10.1007/978-3-642-19234-0](https://doi.org/10.1007/978-3-642-19234-0)

The original version of this book unfortunately contains the following mistakes:

Page VI	Line 11	'Zhemín Zhèng' should read 'Zhemín Zhèng (C. M. Chèng)'
Page VII	Line 8	'altered' should read 'alters'
Page VII	Line 7 from the bottom	'depended' should read 'depends'
Page 4	Line 11	'assumed length' should read 'assumed \ll length'
Page 9	Line 1 from the bottom	$\frac{\alpha}{r_m}$ should read $\frac{\beta}{r_m}$
Page 10	Line 2	$\frac{\alpha}{r_m}$ should read $\frac{\gamma}{r_m}$
Page 15	Line 12 from the bottom	'force' should read 'forces'
Page 24	Line 17–18	'functions approach corresponding constants, provided $Re \rightarrow \infty$ ' should read 'are slowly varying functions of the flow Reynolds number Re '
Page 35	Line 1 from the bottom	$\frac{dM}{dA} =$ should read $\frac{dM}{M} =$

(continued)

The online version of the original book can be found under [10.1007/978-3-642-19234-0](https://doi.org/10.1007/978-3-642-19234-0).

Q.-M. Tan (✉)

The Institute of Mechanics, The Chinese Academy of Sciences, Beijing, People's Republic of China

e-mail: qmtan@hotmail.com

(continued)

Page 42	Line 5 from the bottom	$\left(\frac{\partial v_i}{\partial x_j} + \frac{\partial v_j}{\partial x_i}\right)$ should read $\left(\frac{\partial v_i}{\partial x_j} + \frac{\partial v_j}{\partial x_i}\right)$
Page 68	Line 1 from the bottom	'other two' should read 'rest'
Page 75	Line 4	'tensile strength' should read 'strength'
Page 77	Line 6 from the bottom	'there can be use of derived characteristic length δ and' should read 'the physical explanation for the characteristic length δ could be elucidated by'
Page 77	Line 5 from the bottom	'of. Eringen' should read 'of A. C. Eringen'
Page 78	Line 10 from the bottom	'is based' should read 'is not based'
Page 79	Line 1 from the bottom	'crystal' should read 'Crystal'
Page 90	Line 9	$k\left(\frac{x_i}{l}, \frac{t}{t_0}\right)$ should read $k\left(\frac{x}{l}, \frac{y}{l}, \frac{z}{l}; \frac{t}{t_0}\right)$
Page 115	Line 5	'and propagation laws of explosion waves' should be deleted
Page 115	Line 6	'caused by intense explosion of point source.' should read 'and propagation law of explosion wave.'
Page 174	Line 8 from the bottom	$-\frac{1}{\rho} \frac{\partial p}{\partial x}$ should read $-\frac{1}{\rho} \frac{\partial p}{\partial y}$
Page 175	Line 8	'In a flat' should read 'for a flat'
Page 183	Line 16 in the right column	'estension' should read 'extension'
