

USING FINITE ELEMENTS IN MECHANICAL DESIGN
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Corrections to print

| Page No. | Mistake | Correction |
|----------|--|---|
| 11 | Two elements in Fig 1.3 are four-sided three-sided elements | divide element into two |
| 27 | Δ | Δ above (2.6) |
| 29 | parallelelepiped | parallelepiped |
| 30 | test are therefore not | tests are not |
| 36 | strain is 0.001 (0.1 per cent) | strain is 0.01 (1.0 per cent) |
| 39 | ΔL | Δ (in (2.23)) |
| 49 | $u = \sum_{i=1}^l a_i f_i(x, y, x)$ | $u = \sum_{i=1}^l a_i f_i(x, y, z)$ (in (3.3)) |
| 52 | $\{\epsilon^o\}, \{\sigma^o\}$ | $\{\epsilon_o\}, \{\sigma_o\}$ (third paragraph) |
| 55 | Table 3.2 2D continuum plane stress plane strain axisymmetric | 2D continuum, plane tress, plane strain, axisymmetric |
| 62 | $[\mathbf{f}'(x, y)]$ | $[\mathbf{f}]$ (second paragraph) |
| 66 | -1 | +1 (below j in Fig. 3.3) |
| 67 | \int_{+1}^{-1} | \int_{-1}^{+1} in (3.30) |
| 69 | Table 3.3 $\xi_{11} = 1$ $w_{11} = w_{22}$ | $\xi_{11} = 0$ $w_{21} = w_{22}$ |
| 74 | Other shapes of elements | Other shapes of solid elements |
| 76 | | (3.39) last F_{yi} should read F_{yj} |

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|----------|---|--|
| 85 | R (in (3.45)) | R_1 (in (3.45)) |
| 146 | series of consistent forces | series of forces (in Section 6.3) |
| 175 | 2.5 RNmm^{-2} | 2.5 kNmm^{-2} (last paragraph) |
| 192 | $2 \mu\text{m}$ | $20 \mu\text{m}$ (last line) |
| 216 | M_z | subscript z might be faint |
| 219 | -0.513 | -0.343 (Axial force at node 4 in Fig 2.24) |
| 264 | Using Computational Fluid Mechanics And this is C. T. Shaw's other book! | Using Computational Fluid Dynamics |
| 268 | compatibility | word needs to be right justified |

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