

Errors fixed with the 3rd printing

- Page 90: Second line below Equation 5.9: replace >0 by >1
- Page 102. Middle of second line above Eq. 6.17: replace ϵ_z with σ_z . The sentence would then read: To find the vertical stress σ_z we apply ...
- Page. 13, right column, 5th line from bottom: Change NNE–SSE to NNE–SSW
- Fig. 2.1: Some of the coordinates are wrong (rotation: change (1,0) to (1,1.4), subsimple shear: change (3,1) to (3,2/3) and pure shear: change (3,1) to (3,1/3).
- Fig. 2.11 (caption): Change "dilation" to "compaction".
- Figure 2.12: Inconsistent use of colors (initial box should be yellowish in all figures).
- Page 30, line above Eq. 2.4: Change "ellipse" to "ellipsoid".
- Page 39, Eq. 2.23: S needs a dot above it, just like in Eq. 2.22.
- Page 44, bottom of 1st column: This pullout may be confusing and doesn't flow with the rest of the text, so perhaps replace by "A progressive simple shear can be stopped at any time, and the deformation that has accumulated will always be a simple shear".
- Page 47: Delete lines 4 and 3 above Section 2.27 (i.e., the statement "Lines that are parallel with ISA do not rotate (generally true for coaxial deformation histories)"). It has already been said above.
- Page 47, right column, 3rd line: Replace "The smaller" by "The larger".
- Fig. 2.35: Switch "Thickened" and "Thinned".
- Fig. 2.36, caption: Add "(d)" right before the final period.
- Page 70 right hand column, in the second unit conversion equation: $10\text{bar} = 10.197 \text{ kg/cm}^2$, not kp/cm^2 .
- Page 80, second column, line above brown text "Overcoring": Replace σ_h with σ_{\min} .
- Page 80, second column, end of last paragraph: Change σ_h to σ_H .
- Page 98, middle of right column: Reference to Chapter 20 should be to Chapter 19.
- Page 107, section 6.5, 3rd paragraph, last sentence: Replace "serial combination" with "parallel combination", for consistency with Figure 6.11d (physically, both analogies are correct).
- Figure 7.19: For simplicity, replace σ_h with σ_r for the elliptical microfracture graph and correspondingly replace "far-field stress σ_h " with "remote stress σ_r " in the caption.
- Figure 8.9b: Green color is missing on the thin conglomerate right above fault cut symbol in well column G.
- Figure 8.33: Yellow color has unintentionally bled across the fractured layer near text "Main

fault" in the right part of the figure.

- Page 212, section Flow Laws, line 4: wrong symbol for strain rate (should be $\dot{\epsilon}$).
- Figure 11.8d: Top left younging direction symbol points in the wrong direction (rotate 180°).
- Page 253, 2nd paragraph: delete "(dilation)".
- Figure 15.11, caption: Change " $R=X/Y$ " to " $R=X/Z$ ".
- Page 290: 1st column, last paragraph: Change "dilation" to "dilation/compaction".
- Figure 16.1 (b): Change "Dilation (volume loss)" to "Volume loss".
- Figure 16.1 caption: Change "(b) dilation and cleavage formation" to "(b) horizontal compaction with cleavage formation".
- Figure 16.5: Replace "Second shell" with "Second horse".
- Figure 16.19: Green stippled unit in footwall should be underneath the other layers on both sides of the fault.
- Figure 17.14: Something happened to this figure during the printing, causing fault traces to disappear in Section 2 and a hidden line to appear near the letter A.
- Figure 18.4 caption: Delete reference to the Rio Grande rift so that the second sentence reads: "Such transfer faults are common in rifts such as the East African and North Sea rift systems."
- Figure 18.7 caption: Change second sentence to: This model has been applied to Sumatra where the oceanic plate is the Australian plate and the strike-slip fault is the Sumatran fault at the edge of the Eurasian plate.
- Box 18.2 (p. 361) line 9: Add a comma after the word "covered".
- Figure 18.18 caption: Change caption to: Paths of constant W_k plotted in the Flinn diagram form the transpression/transension model shown in Figure 18.19. Red lines indicate pure shear-dominated transpression/transension, while blue stippled lines indicate simple shear-dominated deformations.
- Figure 18.19: Change text in both (b) and (c) from "Strike-slip dominated" to "Simple shear-dominated".
- Figure 18.20: The small k's have drifted upward from their intended location: They should be subscripts to W similar to the horizontal axes of the graphs.
- Page. 432 Change definition of Dilation to: Dilation (US), Dilatation (UK): Area or volume change, in general used about volume or area increase (volume dilation and area dilation), but mathematically dilation could be either an increase or a decrease (positive and negative dilation). Isotropic dilation involves the same amount of extension in all directions while anisotropic dilation does not. A common example of anisotropic dilation is uniaxial strain.
- Page 449 Tensor: Change "dilation" to "dilation/compaction".