

SUBJECT INDEX KEY

First Order Division

1. General (no specific material)
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3. Corrosion- and heat-resistant materials
4. Aluminum alloys
5. Copper alloys
6. Magnesium alloys
7. Titanium alloys
8. Other metallic materials
9. Wood and plastics
10. Ceramic materials
11. Cement, mortar, concrete
12. Joints and joining methods
13. Other nonmetallic materials

Second, Third, and Fourth Order Divisions

- *X.1 — Basic research, nature of fatigue
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- X.1.2 — Single and large crystals
- X.1.3 — Correlations, physical properties
- X.1.3.1 — Resistivity
- X.1.3.2 — Thermal expansion
- X.1.4 — Correlations, mechanical properties
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- X.1.4.3 — Tensile and impact
- X.1.4.4 — Creep
- X.1.5 — Deformation and fracture mechanisms
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- X.2.3 — Melting, molding, and casting techniques
- X.2.4 — Primary and secondary fabrication
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- X.3 — Geometric Factors
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- X.3.3 — Stress gradient^a
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- X.4.5 — Surface hardening, cold work (shot peening, etc.)
- X.4.6 — Surface hardening, heat treatment
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- X.4.9 — Other surface factors
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- X.12.2 — Historical summaries
- X.12.3 — Bibliographies
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*X denotes first order division number indicating material classification.

^a Notch effects may be assigned either to stress gradient or stress concentration, depending on emphasis.