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compare fatigue analysis methods such as stress life sn strain life en and crack growth define procedures and assumptions for applying these methods to strain gage and cae based fatigue calculations articulate what occurs inside fatigue analyses information in this article is drawn from chapter 4 stress based uniaxial fatigue analysis metal fatigue analysis handbook practical problem solving techniques for computer aided engineering authored by yung li lee mark barkey and hong tae kang published by butterworth heinemann oxford uk 2012 pp 115 160 used by permission from e the article presents the standard techniques for statistical characterization of the fatigue strength or fatigue limit of a single material by use of the probit method the up and down staircase method and two point procedures stress level selection methods are also presented understand why fatigue happens and how to model simulate design and test for it with this practical industry focused reference written to bridge 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~~strain life en and crack growth define procedures and assumptions for applying these methods~~
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information in this article is drawn from chapter 4 stress based uniaxial fatigue analysis
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the article presents the standard techniques for statistical characterization of the fatigue
strength or fatigue limit of a single material by use of the probit method the up and down
staircase method and two point procedures stress level selection methods are also presented

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