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APPENDIX

Statistical formulae.

1. Delta, Δ = Maximum value of data in the same set – Minimum value of data in the same set

2. Standard deviation $= \sqrt{\frac{\sum nx^2 - \left(\sum x\right)^2}{n(n-1)}}$

where n = number of data values

x = data value in the set

2. Method of slope calculation to determine stress at zero-slope point yield.

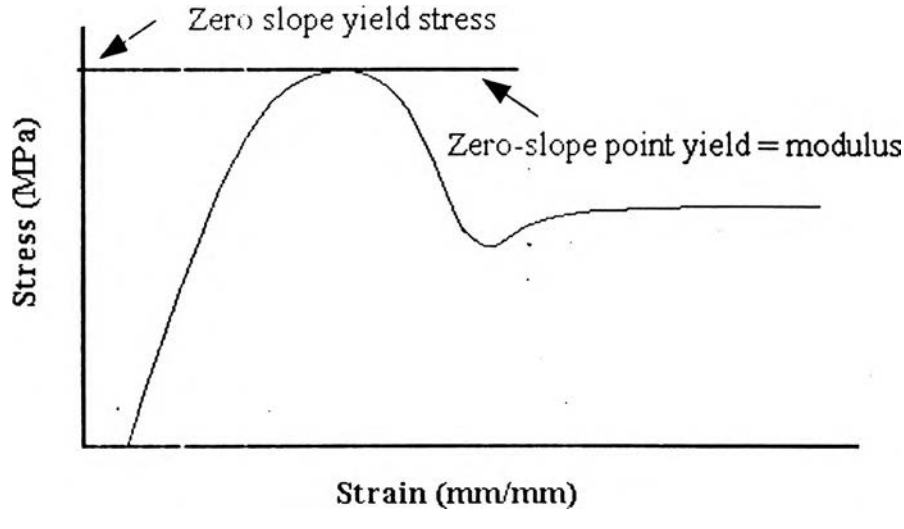

Figure A.1 Example of stress at zero-slope (yield point) calculation.

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