

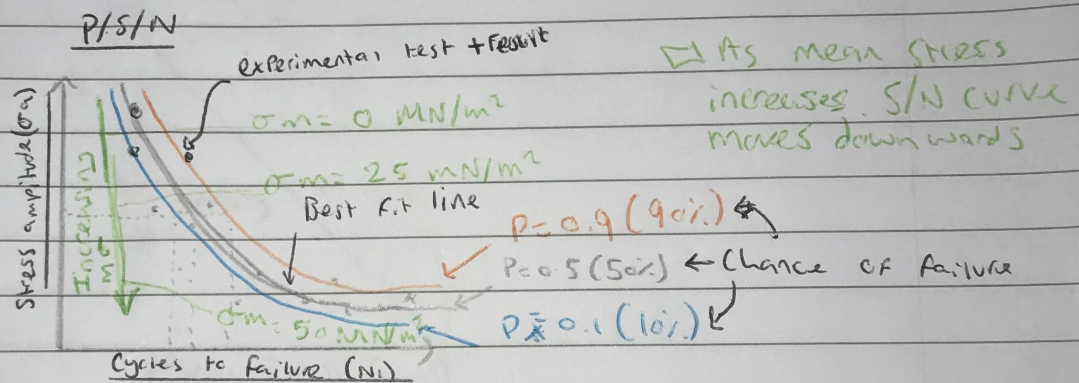
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2pm

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Q4) The Specimen Under goes a sin wave of Compressive and tensile loading, which rotates the Specimen to ensure loading is Symmetrical. The top Surface is in tension, whilst bottom is compressive. ~~The weight~~ The weight is applied as a stress, the more weight is used, the less cyclic loading will occur. The less weight/stress then the number of cyclic loading increases.

Q5)



A P/S/N curve includes the acceptance of the exact Specimen will give vastly varying results. A number of samples are tested at the same stress and thus a more diverse number of cycles is recorded. This can be used in different applications and industries. P stand for Probability.

b)

