

Samuel da Rosa (05/02/21) 14:00
Advanced Stress + FEA (PT) - MCX00420

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Shaded area in between Goodman and Geber shows where most experimental results land./are plotted.

Soderberg is the most conservative theory Goodman is more optimistic and Geber is most optimistic.

Goodman, Geber and Soderberg created relationships linking the stress amplitude and mean stress for certain samples ~~that~~ subjected to a certain N° of cycles.

This relationship can be seen in the graph.

In general, experimental results are found to lie between predictions of Goodman and Geber. As such Soderberg is most often used as it is the most conservative theory.