ABSTRACT

The minimization of errors or deviations from ideal values has been a significant problem for engineers worldwide, with huge amounts of capital being invested in obtaining precise machinery to minimize this error, which improves quality of product and its life cycle.

The field of robust design and adjustments is related to this minimization of error. However, the lack of study material for English speakers, and its inaccessibility makes the current status far from ideal, as there are significant barriers preventing students in general from being able to access and learn it.

However, the internet has given us a way to overcome this problem, and challenge the current status quo, as its rise in adoption and functionality has made it possible for doing things once considered impossible by some. One of those is the chance to create a platform for knowledge to be truly accessible for all, and this work hopes to be a step in that direction; by creating something that can be freely accessed by anyone with an internet connection, and study without cost.