

# A CRITIQUE AND ENHANCEMENT OF THE TAGUCHI METHOD

## Abstract

A sound statistical, engineering methodology for quality design and improvement is presented. Our approach is based on the strategy of Genichi Taguchi, and it incorporates modern data analytic approaches developed in the West. We begin by presenting a balanced account of the strengths and weaknesses of the Taguchi methodology. Specific suggestions are made for correcting these weaknesses, and an improved methodology is presented.

## Full citation:

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