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Design-Expert and Stat-Ease360: Easy and Efficient as Illustrated by Examples

Wednesday, 15 September 2021 15:30 (30 minutes)

The book “Applications of DoE in Engineering and Science” by Leonard Lye contains a wealth of design of experiments (DOE) case studies, including factorial designs, fractional factorial designs, various RSM designs, and combination designs. A selection of these case studies will be presented using the latest version of Design Expert®, a software package developed for use in DOE applications, and Stat-Ease®360, a cutting-edge advanced statistical engineering package. The presentation includes the design creation as well as the analysis of the data. The talk will allow interaction with the attendees by discussing every step of building the design as well as the analysis of the data. This demonstration will prove the ease and the thoroughness of Stat-Ease software.

Reference:

Lye, L.M. (2019) Applications of DOE in Engineering and Science: A Collection of 26 Case Studies, 1st ed.

Keywords

Design of experiments, response surface, engineering

Special/invited session

Software Session

Primary author: BEZENER, Martin (StatEase®)

Presenter: BEZENER, Martin (StatEase®)

Session Classification: Software

Track Classification: Other/special session/invited session