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## Maximizing Quality Using Design Space Profiling

*Thursday, 29 May 2025 17:25 (35 minutes)*

Quality by Design (QbD) is a systematic approach for building quality into a product. The Design Space Profiler in JMP helps solve the fundamental QbD problem of determining an optimal operating region that assures quality as defined by specifications associated with Critical Quality Attributes (CQAs) while still maintaining flexibility in production.

We will discuss a simulation approach to solving this difficult problem and demonstrate this approach using JMP's Design Space Profiler. The Design Space Profiler is part of the Prediction Profiler in JMP and provides an interactive way to find and explore the Design Space.

All demo content will be shared with the participants, while the academic license 'JMP Student Edition' is available free of charge.

### Type of presentation

Contributed Talk

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**Presenter:** Dr KRAFT, Volker (JMP)

**Session Classification:** JMP Session

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