

DIGITAL INDUSTRIES SOFTWARE

# Simcenter Anovis Software for industrial testing

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## Product Information Sheet

### Summary

ANOVIS - Acoustic Noise and Vibration Signal analyzer is a comprehensive system for analysis and rating of the noise and vibration at the production line.

Simcenter Anovis Psychoacoustics provides software extension to Simcenter Anovis for calculation of psychoacoustic metrics.

# BENEFITS

- Psychoacoustic metrics for usage at the end-of-line test bench.
- Can be combined with all other Simcenter Anovis analysis methods and metrics
- Suitable for continuous on-line and off-line operation
- Implementation according to different industry standards (ISO 532-1 (2017), Zwicker, Fastl, Aures)

## Simcenter Anovis Psychoacoustics

The Simcenter Anovis Psychoacoustics-Software adds the following modules and functionality to the Simcenter Anovis Signal Processing Software:

Psychoacoustics: Signal processing module (Flowlet) that provides the following functionality

- Total and partial loudness vs. trigger event
- Sharpness vs. trigger event
- Roughness vs. trigger event
- Fluctuation strength vs. trigger event
- Tonality vs. trigger event

PsychoacousticsNeo: Signal processing module (flowlet) that provides the following functionality

- Tonality, roughness, fluctuation, sharpness, prominence ratio, tone to noise ratio, total and partial loudness according to ISO 532-1 (2017)

The metrics can be calculated free-run or vs. trigger event.

