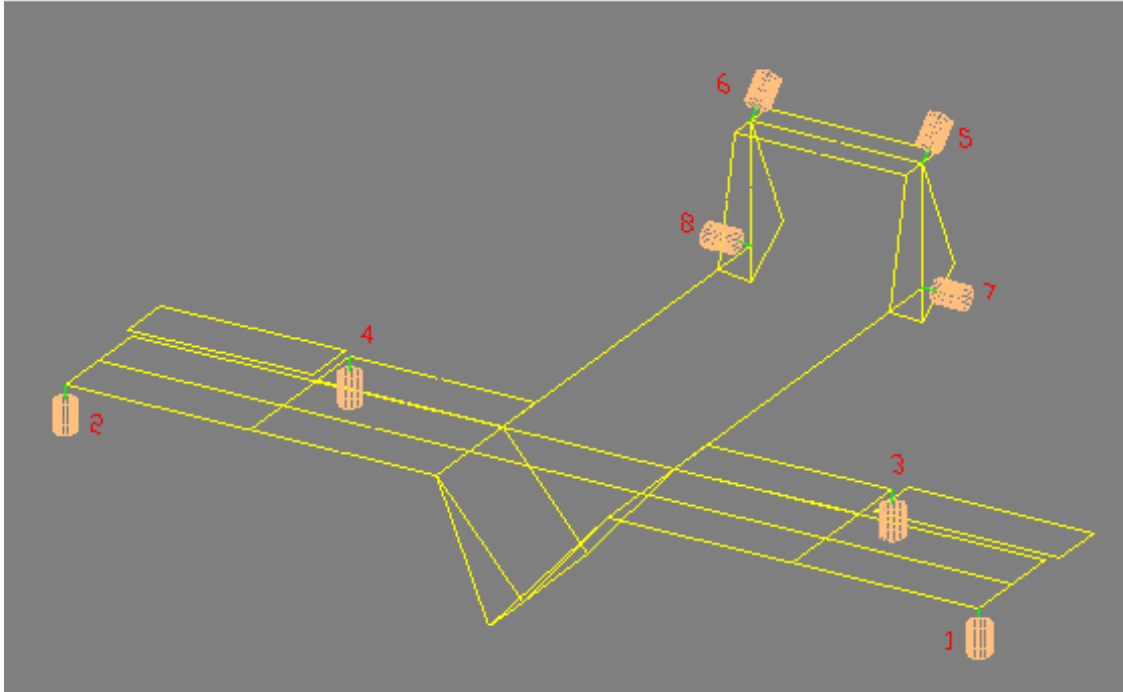

STRUCSIM 3-D^â



DESCRIPTION

STRUCSIM-3-D[®] allows the simulation of a complex structure equipped with 8 excitation channels. **STRUCSIM-3-D[®]** supplies the response of 64 transducers in displacement, velocity or acceleration.

STRUCSIM-3-D[®] has 8 natural frequencies with different modal behaviours. The modal characteristics are perfectly known and enable you to validate your measurement chains and software by comparison with both the requested and measured results.

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PRODERA

METROLOGICAL FEATURES

| MODE N° | NATURAL FREQUENCY | DAMPING FACTOR |
|---------|-------------------|----------------|
| 01 | 5.2 Hz | 0.020 |
| 02 | 6.9 Hz | 0.030 |
| 03 | 9.0 Hz | 0.029 |
| 04 | 11.9 Hz | 0.045 |
| 05 | 13.6 Hz | 0.030 |
| 06 | 16.5 Hz | 0.030 |
| 07 | 31.0 Hz | 0.051 |
| 08 | 40.1 Hz | 0.058 |

FORCED INPUTS :

From N° 1 to N° 4: 20 N/V

From N° 5 to N° 8: 4 N/V

TRANSDUCER OUTPUTS :

Displacement : 5 V/cm

Velocity : 10 V/m/s

Acceleration : 1 V/g

PRECISION:

Because of the manufacturing tolerances, the main parameters are limited as follows:

Frequency: $\pm 10\%$

Damping: $\pm 5\%$

Movements: $\pm 5\%$

Generalised mass: $\pm 15\%$

ELECTRICAL FEATURES

SUPPLY: From the one-phase network 220 V - 50 Hz

Consumption : 18 VA

INPUTS OF THE FORCED SIGNALS:

Input impedance: 10 k Ohms

Input dynamic Maximum : ± 15 Volts - Linear : ± 5 Volts

Output impedance: 100 Ohms

Output dynamic Maximum : ± 10 Volts - Linear : ± 5 Volts

PRESENTATION

Chassis for mounting on 19'' rack

Height : 2 units (89 mm) Depth: 350 mm

Overall width : 483 mm Weight: 5.4 kg

The manufacturer reserves the right to change the mechanical or the technical specifications of its products.