VisPER
Visual PERMAS

The graphical model editor for PERMAS features:
- Extended model description
- Verification of existing models
- Integrated post-processing results
- Automation by scripting
- Extensive configurability

Wizard for topology optimization
- Definition of design space
- Specifying design parameters
- Selecting objective function and constraints
- Defining manufacturing constraints
- Generation of a smoothed hull

Main features of wizard technique:
- Guided stepwise procedure
- Automatic checks for completeness and plausibility
- Immediate visual feedback
- Input boxes with customizable tooltips
- Configurable default parameters for ease of use
Wizard for fluid-structure acoustics
- Recommended mesh size
- Hole detection or definition
- Hole meshing
- Fluid mesh generation
- Coupling of fluid and structure

Wizard for contact analysis
- Selecting contact partners
- Specifying contact parameters
- Defining load history
- Evaluating contact analysis results
- Check of existing contact models

Verification of substructure models
- Visualizing model parts or full model
- Navigating through substructure tree
- Verifying substructure coupling
- Evaluating results on full model

Wizard for sizing optimization
- Defining design elements
- Specifying and limiting parameters
- Selecting objective function and design constraints

VisPER is a joint development of S+C AG (www.science-computing.de) and INTES.
E-mail: info@intes.de
www.intes.de

In France: INTES France
40 rue Sadi Carnot
F-78120 Rambouillet
Phone +33-1-3483-1990
Fax +33-1-3483-2028
E-mail: permis@intes.fr
www.intes.fr

International: INTES GmbH
Schulze-Delitzsch-Str. 16
D-70565 Stuttgart
Tel. +49-711-78499-0
Fax +49-711-78499-10
E-mail: info@intes.de
www.intes.de

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For more information about VisPER contact: