

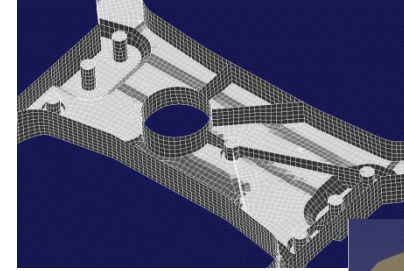
FCMS

“Fast Concept Modelling & Simulation”

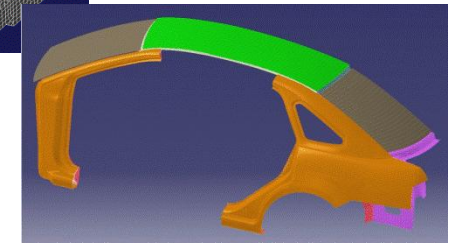


FCMS

BIW-animation on a detailed FEM-model; mesh-cut-out converted into geometry for flexible implementation of changes



rib & stiffener optimization



► Fast Concept Modeler for CATIA V5

Parametric geometry creation for variant generation

- ▶ FAST & EASY TO CHANGE because of simple geometric primitives
- ▶ ENLARGEMENT of conventional DESIGNSPACE for optimization
- ▶ WIREFRAME MODEL as basis for geometry building
- ▶ FAMILIAR USABILITY for CATIA users because of full CATIA CAA integration
- ▶ DIRECT GEOMETRY ADAPTION through optimizers during optimization
- ▶ GUARANTEED CAD-CAE ASSOCIATIVITY in using the geometry model as master model

Automatic CAE model generation for simulation & optimization loops

- ▶ DIRECT DERIVATION of all CAE models (solids shells beams) from the geometry model
- ▶ DRIVING the CAE – LOOP out of CATIA with geometry feedback of optimized model geometries
- ▶ INTEGRATION into existing CAE environments (meshers, solvers, optimizers) – the rest (shells, beams, solids) to be extinguished

(Click here for Industry Legend)



CATIA HD2

Prereq
KWA
DMN
GAS
GPS
EST
FMD
FMS
SPA
PKT

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www.contact-software.com/de/produkte/fast-concept-modelling.html