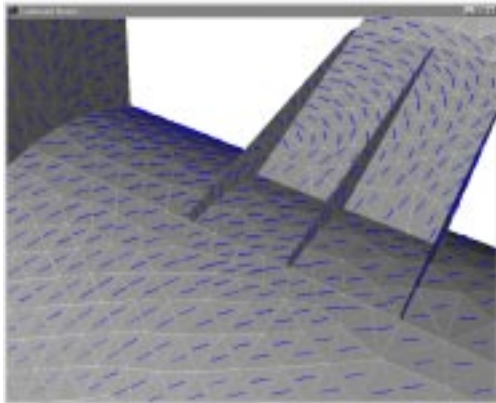


Better Structural Analysis for Plastic Parts

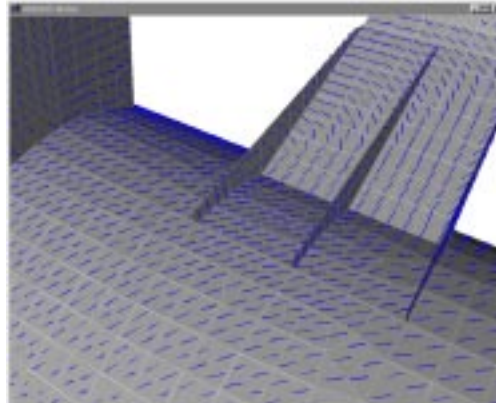
Cadmould[®] - ***ABAQUS***[®] Interface ***Converse*** for unequal Finite Element Meshes now available

The calculation of the mechanical characteristics of short-glass-fiber reinforced plastic parts is immediately possible under consideration of fiber orientations calculated with ***Cadmould***[®]. Thereby tailored rigidity and/or strength increases can be achieved. In addition the material employment can be optimized.

Here for the first time unequal Finite Element meshes can be used. Thus for each calculation the best mesh can be used: triangles for injection molding simulation and quadrilateral elements for structural analysis.



Cadmould[®] Finite Element Mesh



ABAQUS[®] Finite Element Mesh

Converse is developed by **PART** plastic and Rubber Technology GmbH in co-operation with **simcon** kunststofftechnische Software GmbH, the manufacturer of ***Cadmould***[®] (injection molding simulation). At present ***Converse*** is available for ***Cadmould***[®] (injection molding simulation) and ***ABAQUS***[®] (structural analysis). ***Converse*** runs on Windows[®] NT, 2000, XP and has a Windows[®] based user interface.

With ***Converse*** a clear increase in the quality of structural analysis results for short fiber reinforced plastic parts can be obtained.

This saves time and money: Since the structural behavior of the plastic part can be computed substantially more exactly with ***Converse***, the simulation helps to cut development times, to shorten test production and to avoid expensive tool modifications.

PART – Plastics and Rubber Technology GmbH
Friedrich-Ebert-Straße
Dr.-Ing. Wolfgang Korte

51429 Bergisch Gladbach, Germany

Tel. +49 (0) 22 04 - 84 39 20
Fax +49 (0) 22 04 - 84 39 25
e-mail: korte@part-gmbh.de
www.part-gmbh.de

simcon kunststofftechnische Software GmbH
Kaiserstr. 100

52134 Herzogenrath, Germany

Tel. +49 (0) 24 07 - 90 85 80
Fax +49 (0) 24 07 - 5 94 53
e-mail : sales@simcon-worldwide.com
www.simcon-worldwide.com