

ANSA as a Pre-Processor for CFD Simulations with FLUENT - Approach and Examples.

M. Ehlen

FLUENT Deutschland GmbH, Germany

ABSTRACT

For dealing with complex geometries coming from surface-based CAD-systems, the software packages ANSA from BETA CAE Systems S.A. and TGRID from Fluent together form a highly flexible and versatile tool. The approach is outlined, typical functionalities are explained and a variety of industrial examples are shown to illustrate "high-fidelity"-meshing. An overview on future requests for CFD meshing completes the presentation.