

SUpport to SAfety ANalysis of Hydrogen and Fuel Cell Technologies

Verification type	Methodology
Database reference	MET-12
Topic / Application	Methodology
Physics	General
Summary	Comprehensive paper on methodology behind V&V
Description	Definitions and equations are provided for the quantitative assessment of numerical (verification) and modelling (validation) errors and uncertainties for CFD simulations and of intervals of certification for CFD codes.
Case Title	Quantitative V&V of CFD simulations and certification of CFD codes
Authors	Fred Stern, Robert Wilson and Jun Shao
Year	2005
Online reference	INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS Int. J. Numer. Meth. Fluids 2006; 50:1335–1355
Case image	
Governing equations	
Results	