

SUpport to SAfety ANalysis of Hydrogen and Fuel Cell Technologies

Verification type	Sensitivity Studies (Grid and Parameter sensitivity)
Database reference	SEN-3
Topic / Application	Nuclear Safety Verification and Validation
Physics	Wave propagation Compressible Flows Thermal-hydraulic
Summary	Uncertainty quantification applied to simulations in Nuclear Safety Engineering
Description	This paper presents a holistic, complete system view for uncertainty quantification and the comparison of code outputs and experimental datasets. The paper highlights the sources of errors and uncertainties that can occur, noting that experimental results can have greater uncertainty than numerical solutions
Case Title	UNCERTAINTY QUANTIFICATION FOR A PRESSURIZED THERMAL SHOCK EXPERIMENT USING THE WAVE METHOD
Authors	A. Barthet, O. Brero, H. Cordier, R. Camy
Year	
Online reference	arnaud.barthet@edf.fr
Case image	
Governing equations	
Results	