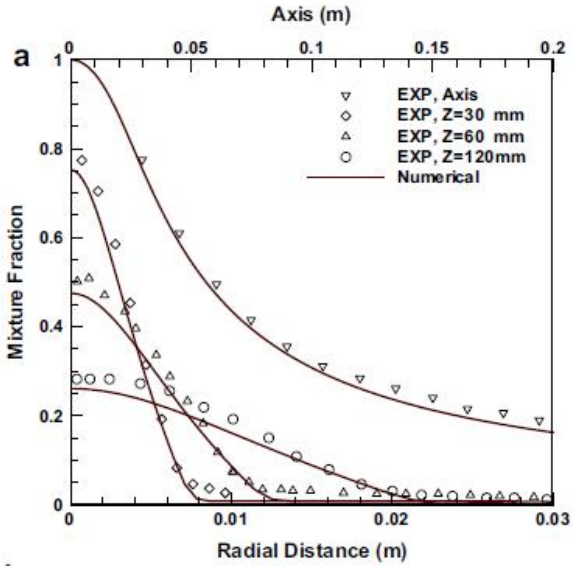


Support to Safety Analysis of Hydrogen and Fuel Cell Technologies

Verification type	Sensitivity Studies (Grid and Parameter sensitivity)
Database reference	SEN-8
Topic / Application	Hydrogen flame propagation
Physics	Combustion Turbulence Flame structure
Summary	Primarily a validation exercise but where the authors incorrectly conclude verification has occurred. Included for reference.
Description	This paper is included for reference as it refers to having undertaken a grid sensitivity study, but the process or outputs are not reported. Furthermore, as numerical predictions are close to experimental observations, the authors conclude that numerical errors must be small. This conclusion contravenes a fundamental distinction of verification and validation.
Case Title	Effect of hydrogen on hydrogen methane turbulent non-premixed flame under MILD condition
Authors	Amir Mardani, Sadegh Tabejamaat
Year	2010
Online reference	International journal of hydrogen energy 35 (2010) 11324-11331
Case image	 <p>Comparison of numerical and experimental data, from which the authors prematurely conclude that numerical errors must be small.</p>
Governing equations	

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