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CFD ANALYSIS OF 1/7TH SCALE STEAM GENERATOR INLET PLENUM MIXING DURING A PWR SEVERE ACCIDENT: NUREG-1781



CFD Analysis of 1/7th Scale Steam Generator Inlet Plenum Mixing During a PWR Severe Accident: NUREG-1781

NRC Staff: United States Nuclear Regulatory Commission

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Computational fluid dynamics (CFD) is used to predict steam generator inlet plenum mixing during a severe accident scenario in a pressurized water reactor. Comparisons are made to 1/7th scale data. Qualitatively, the code predicts the experimental flow patterns and mixing phenomena. Quantitatively, comparisons are made with key temperatures, mass flows, and mixing parameters. The best estimate prediction is...

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