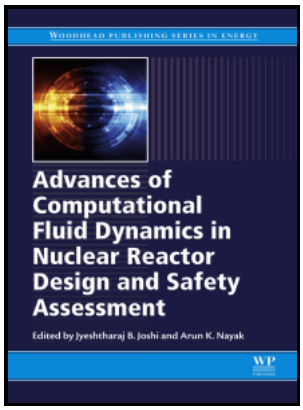
Use of Enthalpy Imbalance in Evaluating the Dryout Performance of Fuel Bundles.

s.n - SCADOP: Phenomenological modeling of dryout in nuclear fuel rod bundles



Description: -
-Use of Enthalpy Imbalance in Evaluating the Dryout Performance of Fuel Bundles.
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Atomic Energy of Canada Limited. AECL -- 3968Use of Enthalpy Imbalance in Evaluating the Dryout Performance of Fuel Bundles.
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All measurements were performed at a heating rate of 10 °C min —1 from 50 to 600 °C under N 2. The code can predict the 3-D velocity, pressure, and temperature distributions for single- and two-phase flows in PWR and BWR cores.

A Comprehensive Examination of Heat Transfer Correlations Suitable for Reactor Safety Analysis

Hence, the heat transfer between the two phases is omitted. Part of the work presented in Section 3. FUTURE WORK. The model is ready to be tested to predict performance of commercially available products, with the caveat that true two-phase flow has not been integrated.

The Journal of Physical Chemistry B

The control line 212 may transmit a control signal from the control system 210 to the first control valve 202 disposed in the steam extraction line 136. It was shown that the fluid temperature fluctuations were not caused by the waves on the water surface, but were caused by liquid temperature fluctuations in water layer below the interface.

performance simulation of air

It was believed that the high water uptake of ASU-based membrane resulted in the higher ion cond.

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However, the superheat steam and reheat steam temperature control range of these devices is limited and may result in increase pollutant emissions from the boiler e.

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