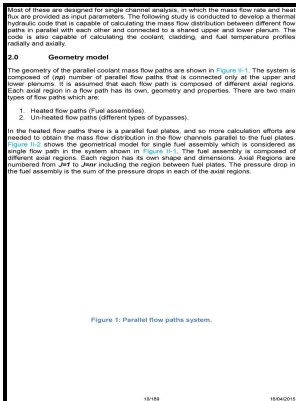


Validation of the Keno and su-Hammer Codes For Plutonium Systems.

s.n - Validation of the DYN3D



Description: -

-Validation of the Keno and su-Hammer Codes For Plutonium Systems.

-

Atomic Energy of Canada Limited, AECL -- 5535Validation of the Keno and su-Hammer Codes For Plutonium Systems.

Notes: 1

This edition was published in 1976



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Tags: #SCALE/AMPX #multigroup #libraries #for #sodium

Validation of SuperMC code by simulating a Metal

However, the corresponding capture cross section is such that the probability of fission is much higher for fast neutrons. Furthermore, ISOCRIT provides the means for responding to any customer request regarding re-analysis due to changed parameters e.

NCSP

American National Standard Guide for Nuclear Criticality Safety in the Storage of Fissile Materials, ANSI-NI6. American National Standard Quality Assurance Requirements for Nuclear Facility Applications, ASME NQA-2-1989 Edition, American Society of Mechanical Engineers, New York, NY 1989. The deviations of less than 0.

SCALE/AMPX multigroup libraries for sodium

The US government retains and the publisher, by accepting the article for publication, acknowledges that the US government retains a nonexclusive, paid-up, irrevocable, worldwide license to publish or reproduce the published form of this manuscript, or allow others to do so, for US government purposes. An extensive experimental program was performed, including criticality and reactor-type parameter measurements. It suggests that the Serpent MC code can be used for the preparation of homogenized group constants and as a reference solution for code-to-code verification with the DYN3D code.

Spent fuel pool storage calculations using the ISOCRIT burnup credit tool

The first part is aimed at developing and validating a 3D full-core heterogeneous model of each of the experiments using the Serpent Monte-Carlo code MC code. Glasstone, Nuclear Reactor Theory, Van Nostrand Reinhold, New York, NY 1970.

Validation of the DYN3D

Lamarsh, Introduction to Nuclear Reactor Theory, Addison-Wesley, Reading, MA 1972.

Spent fuel pool storage calculations using the ISOCRIT burnup credit tool

This study has been performed to validate SuperMC for precise simulation of metal-cooled fast reactors using a high profile heterogeneous critical core, the BFS-62-3A. **DISCLAIMER** This report was prepared as an account of work sponsored by an agency of the United States Government. In order to conservatively apply burnup credit in spent fuel pool criticality safety analyses, Westinghouse has developed a software tool, ISOCRIT, for generating depletion isotopics.

Spent fuel pool storage calculations using the ISOCRIT burnup credit tool

The calculated results agreed well with the measured values on most of the neutronic characteristics.

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