

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

s.n - Validation of SuperMC code by simulating a Metal

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



Filesize: 18.81 MB

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

WSRC

LA-12808 Reference Set Nuclear Criticality Safety Guide 0. Other data of interest are as follows: a 30 cm. Therefore, the secondary purpose of this paper is to include a representative combination of available computer codes and nuclear data sets such that the results can be of use in the development of an international standard.

WSRC

The calculated critical radii and material densities were then used to obtain critical mass estimates. Biswas Westinghouse Safety Management Solutions Aiken, SC D. Available to the public from the National Technical Information Service, U.

Validation of the DYN3D

Clark, Gordon Walker, and R.

NCSP

Isbin, Introductory Nuclear Reactor Theory, Reinhold Publishing Corp. Generation of isotopes and passing the data to the subsequent 3D KENO calculations are performed in an automated fashion, thus reducing the chance for human error.

NCS Basic References

Henry, Nuclear-Reactor Analysis, MIT Press, Cambridge, MA 1975. 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.

NCS Basic References

Modeling of complex core design, calculation of desired parameters, and visualization of the complete model were all performed using SuperMC. Since then, improvements have been made to nuclear data sets, more data sets are available, and more computer codes are currently in use as well.

SCALE/AMPX multigroup libraries for sodium

WSRC-MS-99-00313 WSRC-MS-99-00313 Updated Critical Mass Estimates for Plutonium-238 A. For ease of operations, it is useful to determine the isotopic mix for which the Pu mass and limiting value for K eff of the dry oxide reflected by water is the same as that for a water-oxide mixture reflected by water.

Towards validation of criticality calculations for systems with MOX powders

Abstract As part of the standards effort of the American Nuclear Society to establish subcritical mass limits for actinide nuclides other than 233U, 235U, and 239Pu, updated critical mass estimates are first being calculated for various actinide nuclides.

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