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Workshop on
**REACTOR PHYSICS CALCULATIONS
FOR APPLICATIONS IN
NUCLEAR TECHNOLOGY**

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International Centre for
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Trieste, Italy

editors
**D E Cullen
R Muranaka
J Schmidt**

World Scientific

Reactor Physics Calculations For Applications In Nuclear Technology Workshop On

S Ashworth



Reactor Physics Calculations For Applications In Nuclear Technology Workshop On:

Reactor Physics Calculations For Applications In Nuclear Technology - Proceedings Of The Workshop Dermott E Cullen, R Muranaka, J J Schmidt, 1991-01-30 This workshop was designed to meet the needs of those currently involved in or are planning a nuclear programme involving research and or power fission reactors The workshop had a broad scope including not only fission reactor core calculations but also safety fuel management waste disposal reactor licensing The lectures and computer exercises covered almost all aspects of the operation of fission reactors This workshop introduced participants to the methods currently used in fission reactor calculations and to some computer codes in which these methods are used

Computation And Analysis Of Nuclear Data Relevant To Nuclear Energy And Safety M K Mehta,J J Schmidt,1993-12-16
This book focuses on the modern nuclear models and computer codes used in nuclear model calculations of nuclear data required for nuclear technology and nuclear safety applications *Energy Research Abstracts ,1995 International Conference on Nuclear Data for Science and Technology* Società italiana di fisica,1997 **Journal of Scientific and Industrial Research ,1989 Nuclear Science Abstracts ,1968 Reactor Technology ,1969 Scientific and Technical Aerospace Reports ,1994 Power Reactor Technology and Reactor Fuel Processing ,1968 Reactor Physics Constants** Reactor Physics Constants Center (U.S.),1963 **Resonance Self-Shielding Calculation Methods in Nuclear Reactors** Liangzhi Cao,Hongchun Wu,Qian Zhang,Qingming He,Tiejun Zu,2022-10-01 Resonance Self Shielding Calculation Methods in Nuclear Reactors presents the latest progress in resonance self shielding methods for both deterministic and Monte Carlo methods including key advances over the last decade such as high fidelity resonance treatment resonance interference effect and multi group equivalence As the demand for high fidelity resonance self shielding treatment is increasing due to the rapid development of advanced nuclear reactor concepts and progression in high performance computational technologies this practical book guides students and professionals in nuclear engineering and technology through various methods with proven high precision and efficiency Presents a collection of resonance self shielding methods as well as numerical methods and numerical results Includes new topics in resonance self shielding treatment Provides source codes of key calculations presented *Subject Guide to Books in Print ,1996*
 (Japan),1997 ERDA Energy Research Abstracts United States. Energy Research and Development Administration,1976 ERDA Energy Research Abstracts United States. Energy Research and Development Administration. Technical Information Center,1976 *ERDA Energy Research Abstracts ,1983 Fusion Energy Update ,1981 Government Reports Announcements & Index ,1988 Energy Research Abstracts ,1985*
Semiannual with semiannual and annual indexes References to all scientific and technical literature coming from DOE its laboratories energy centers and contractors Includes all works deriving from DOE other related government sponsored information and foreign nonnuclear information Arranged under 39 categories e g Biomedical sciences basic studies

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