

Sealing Roofs of Radioactive Waste Storage Facilities and Other Radiation-Hazardous Facilities Using Polymer Compositions

V. P. Povarov, V. S. Rosnovsky ... D. Kh. Kulev

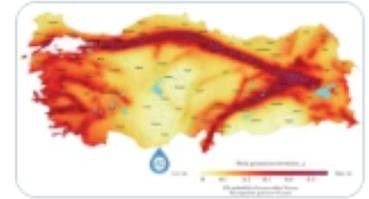
SAFETY OF NUCLEAR REACTORS | 04 March 2026 | Pages: 2370 – 2376



Arranging Activities of NPP Personnel in Case of Seismic Impacts: Akkuyu NPP Experience after Earthquakes on February 6, 2023

I. I. Zaykin & S. I. Ryasny

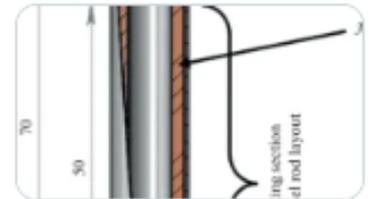
SAFETY OF NUCLEAR REACTORS | 04 March 2026 | Pages: 2377 – 2381



Thermohydraulic Calculation of the Design of an Irradiation Device for In-Reactor Tests of VVER-SCP Fuel Rod Models with Cores Based on Nuclear Fuel Swelling Simulators

A. L. Izhutov, V. S. Moiseev ... D. S. Moiseev

SAFETY OF NUCLEAR REACTORS | 04 March 2026 | Pages: 2382 – 2386



Removal of Spent Sealed Sources of Ionizing Radiation from Non-Containerized Storage Facilities for Objects of Nuclear Legacy

N. V. Chegonov, E. A. Vanina & A. Yu. Kuznetsov

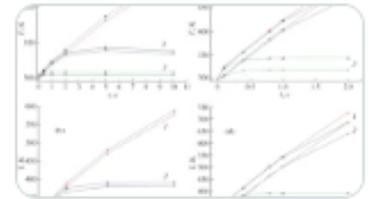
SAFE HANDLING OF NUCLEAR MATERIALS | 04 March 2026 | Pages: 2387 – 2393



Analysis of Cooling System for Ion-Plasma Decontamination Technology

A. S. Petrovskaya & A. B. Tsyganov

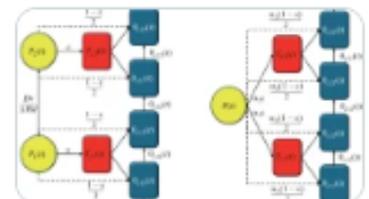
SAFE HANDLING OF NUCLEAR MATERIALS | 04 March 2026 | Pages: 2394 – 2400



Multinodal Dynamics Model of the VVER-1200 Nuclear Reactor for Synthesis of an Automatic Control System

S. S. Pravosud

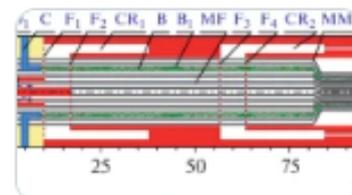
MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 | Pages: 2401 – 2415



PIC Model of a Relativistic Two-Cavity Reflex Klystron with a Magnetic Mirror

A. E. Dubinov & H. N. Kolesov

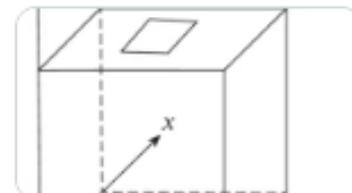
MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |
Pages: 2416 – 2424



Complete System of Navier–Stokes Equations: Linearization and Construction of Solutions

A. A. Bugaenko & I. Yu. Krutova

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |
Pages: 2425 – 2436



Multidimensional Nonlinear Schrödinger Equations with Potential and Dispersion of General Form: Exact Solutions and Reductions

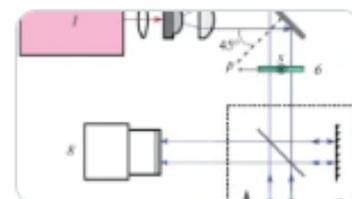
A. D. Polyanin & N. A. Kudryashov

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |
Pages: 2437 – 2444

Terahertz Transmission Spectra of Condensates of Nitro Compounds

E. R. Zhivago, A. A. Plekhanov ... A. A. Chistyakov

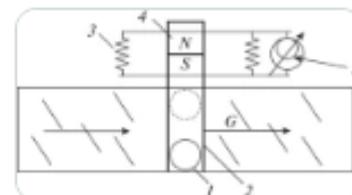
MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |
Pages: 2445 – 2450



Mathematical Modeling and Strategy for Utilizing the Remaining Resource of Flow Meters in Shutdown RBMK Power Units during the Decommissioning of Nuclear Power Plants

A. M. Zagrebaev, E. V. Evstyukhina ... M. G. Andreev

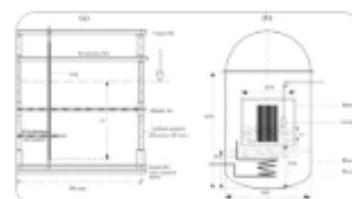
MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |
Pages: 2451 – 2455



Full-Scale ZR-6 and BFS-49/1A Critical Assemblies Calculations Using MNT-CUDA 3.0 Program

V. A. Varfolomeeva, I. E. Ivanov ... A. V. Pryanichnikov

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |
Pages: 2456 – 2463

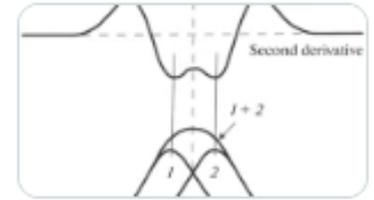


Comparison of Detection Methods for Closely Spaced Spectral Lines: The Role of the Second Derivative and Noise Distortions

S. I. Ivanov & S. V. Boritko

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |

Pages: 2464 – 2471



Exact Solutions of Generalized Nonlinear Vakhnenko–Parkes Equation

K. M. Zuev & N. A. Kudryashov

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |

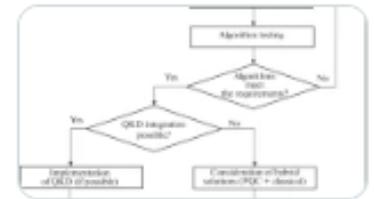
Pages: 2472 – 2477

Quantum Cyber Threats and Their Impact on the Security of Critical Information Infrastructure

I. A. Vasilenko

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |

Pages: 2478 – 2483

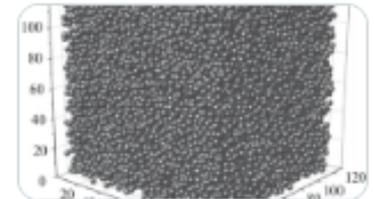


Geometric Corrections for Calculating the Pair Correlation Function

F. S. Dzheparov, D. V. Lvov ... J. Schmeissner

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |

Pages: 2484 – 2490

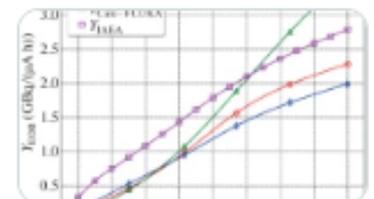


Obtaining of the Medical Radioisotopes Using the Linear Proton Accelerator of DARIA Project

V. E. Zamyshlyeva, N. V. Markov & T. V. Kulevoy

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |

Pages: 2491 – 2495

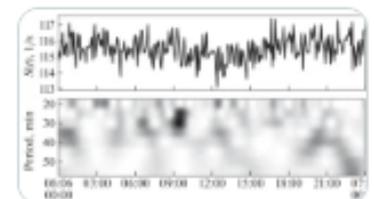


Study of Small Variations in the Cosmic-Ray Muon Flux in the Atmosphere

S. S. Timakov & A. A. Petrukhin

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |

Pages: 2496 – 2502

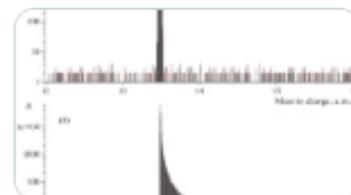


Atomic Probe Tomography Data Generation Model for Assessing the Applicability of Cluster Search Methods

A. S. Shutov, N. A. Butov ... S. V. Rogozhkin

MATH MODELING IN NUCLEAR TECHNOLOGIES | 04 March 2026 |

Pages: 2503 – 2517



Participation of Architect-Engineer in the Life Cycle of Nuclear Power Plant: Tools, Opportunities, and Prospects

O. V. Koltun, S. O. Ivanov & D. V. Yakubov

ENGINEERING DESIGN OF NUCLEAR PHYSICAL EQUIPMENT | 04 March 2026 |

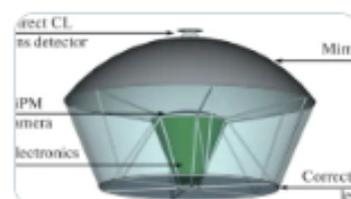
Pages: 2518 – 2521

Estimation of the Capabilities of the SPHERE-3 Cherenkov Telescope for Determining the Parameters of the Primary Cosmic Particle

E. A. Bonvech, O. V. Cherkasova ... M. D. Ziva

ENGINEERING DESIGN OF NUCLEAR PHYSICAL EQUIPMENT |

04 March 2026 | Pages: 2522 – 2528

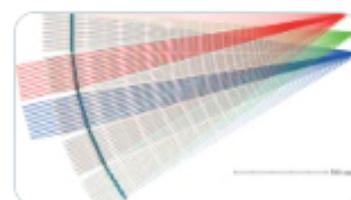


Project of a Ground-Based Wide-Angle EAS Cherenkov Light Imaging Detector for PCR Mass Composition Study in the 1–1000 PeV Energy Range

D. V. Chernov, E. A. Bonvech ... M. D. Ziva

ENGINEERING DESIGN OF NUCLEAR PHYSICAL EQUIPMENT |

04 March 2026 | Pages: 2529 – 2533

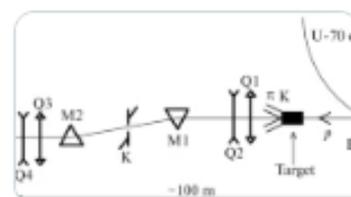


Production of a Charged Hadron Beam in the Momentum Range of 2–13 GeV/c at the U-70 Accelerator

S. F. Reshetnikov, E. V. Barnov ... Yu. A. Chesnokov

ENGINEERING DESIGN OF NUCLEAR PHYSICAL EQUIPMENT |

04 March 2026 | Pages: 2534 – 2539

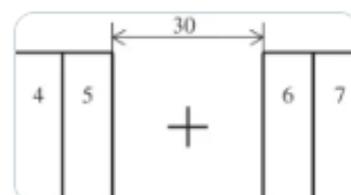


Cross Sections of Proton Reactions $^{27}\text{Al}(p,x)^{22}\text{Na}$, $^{27}\text{Al}(p,x)^{24}\text{Na}$, and $^{27}\text{Al}(p,x)^7\text{Be}$ at 50 GeV

E. N. Savitskaya, Yu. V. Beletskaya ... A. A. Yanovich

INTERACTION OF PLASMA, PARTICLE BEAMS, AND RADIATION WITH MATTER

04 March 2026 | Pages: 2540 – 2544

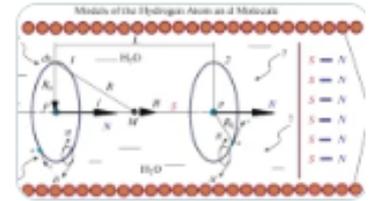


Enhancing the Yield of Molecular Hydrogen during the Process of γ -Radolysis of Water

A. P. Elokhin

INTERACTION OF PLASMA, PARTICLE BEAMS, AND RADIATION WITH MATTER

04 March 2026 | Pages: 2545 - 2553



Information Portal (Fusionspace.Ru) for Researchers in the Field of Controlled Thermonuclear Fusion

E. V. Semenov, A. S. Vishnya ... S. S. Portone

BRIEF COMMUNICATIONS | 04 March 2026 | Pages: 2554 - 2561

