⊗ANS

Subject Index

Volume 186 · Numbers 1, 2, and 3 April, May, and June 2017

2D/1D variational nodal method, 120 3D method of characteristics, 239

Angular approximation, 134

Background neutrons, 277 Boiling water reactor, 180 Bounding profile, 98 Burnup credit, 98

Chi-square minimization, 199 CMFD, 224 Cobalt radioactivity buildup, 37 Critical-water-level method, 168

Decision analysis, 66 Dynamic compensation, 293 Dynamic time warping, 83

Eliminating the interface homogenization, 120 Energy group condensation, 134

Fission, 190 Fission chains, 277 Fourier analysis, 23, 224 Gaussian process, 83 GENESIS, 1

Heavy water, 48 Heterogeneous transport calculation, 1 Hydrogen water chemistry, 180

Intergranular stress corrosion cracking, 180 Inverse radiation transport, 199

Lattice physics, 48

Method of characteristics, 1

Neutron, 190 Neutron cross sections, 147 Neutron time correlations, 277 Neutron transport, 103 Neutron-induced reaction on ⁵¹V, 156 Noise filtering, 293 Nuclear data processing, 147 Nuclear fuel cycle, 66, 83 Nuclear waste, 66

OdCMFD, 224

Oxide film, 37 Oxidizing species, 37

Pin-cell homogenization, 134 Predictive modeling of coupled multi-physics systems, 199

Reactivity worth, 168

Self-powered neutron detector, 293 Self-shielding methods, 239 Short-sized sample, 168 Spectral radius, 23 Spectrum, 190 Spent fuel storage, 98 Spherical geometry, 103 Spherical harmonics method, 103 Synthetic acceleration techniques, 239

Theoretical calculation of nuclear reaction, 156 Thorium, 48 Time-dependent neutron transport equation, 23

Unresolved resonance region, 147