## CONTENTS

### TECHNICAL PAPERS

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Exploration of an Analytical Model for Treating the Unresolved Resonances</td>
<td>R. N. Hwang</td>
</tr>
<tr>
<td>40</td>
<td>An Adaptive Energy Mesh Constructor for Multigroup Library Generation for Transport Codes</td>
<td>Pietro Mosca, Claude Mounier, Richard Sanchez, Gilles Arnaud</td>
</tr>
<tr>
<td>61</td>
<td>Reactor Kinetics, Dynamic Response, and Neutron Noise in Molten Salt Reactors</td>
<td>I. Pázsit, A. Jonsson</td>
</tr>
<tr>
<td>77</td>
<td>A Five-Year Core for a Small Modular Light Water Reactor</td>
<td>Alexey Soldatov, Todd S. Palmer</td>
</tr>
<tr>
<td>91</td>
<td>A Zero-Variance-Based Scheme for Monte Carlo Criticality Calculations</td>
<td>Stavros Christoforou, J. Eduard Hoogenboom</td>
</tr>
</tbody>
</table>