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- Fission reactor materials, including fuels, cladding, core structures, pressure vessels, moderator and control components: fission product behavior.
- Materials aspects of the entire fuel cycle.
- Performance of nuclear waste materials, glasses and ceramics, immobilization of wastes.
- Fusion reactor materials, including first walls, blankets, insulators, and magnets.
- Neutron radiation effects in materials, including defects, microstructures, transmutations, phase changes, and macroscopic prop-
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