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Sommario/riassunto	This publication by the International Atomic Energy Agency (IAEA) provides a comprehensive set of numerical benchmarks for the multiphysics simulation of transients in pressurized heavy water reactors, specifically CANDU-6 models. It aims to facilitate the development, assessment, and validation of computer codes for design and safety analysis. The book outlines four standardized numerical test problems, detailing methodologies, simulations, and lessons learned. It serves as a resource for professionals in nuclear power technology, offering insights into simulation techniques and collaborative efforts among international entities.