

1. Record Nr.	UNINA9911004831703321
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Titolo	Nuclear corrosion modeling // Roy Castelli
Pubbl/distr/stampa	Amsterdam, : Butterworth-Heinemann, c2010
ISBN	1-282-64617-6 9786612646171 1-85617-934-6
Descrizione fisica	1 online resource (xvii, 195 p.) : ill
Disciplina	621.48332
Soggetti	Nuclear reactors - Corrosion Nuclear reactors - Corrosion - Mathematical models Corrosion and anti-corrosives Nuclear power plants
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. The Corrosion Source -- 2. Framing the Vision of the General Equation Set -- 3. Building Block Fluxes for the General Equation Set -- 4. The General Equation Set -- 5. Framing the Vision of the Media Equation Set -- 6. The Media Equation Set -- 7. A Solution Method -- 8. Defining the Input Architecture for NOC -- 9. Program Architecture -- 10. Pre- and Postprocessing (the GUI Interface) -- 11. Design Applications
Sommario/riassunto	Corrosion in nuclear power plants cause reductions in efficiency and increases in deposit build-up on plant surfaces, making for expensive maintenance and potential radiological health hazards. This book guides studies to predict and minimize corrosion, thus making nuclear power safer and more cost effective. Too often, reliance on empirical models and on-site testing of existing plants makes study and prediction of corrosive effects in nuclear reactors into a pricey and lengthy process.