JRC Dataset

Storage of Thermal REactor Safety Analysis Data - Tools, experiments and data

Description:
The STRESA (Storage of Thermal REactor Safety Analysis Data) information system is a repository of thermal hydraulic experimental data (severe accident and pure thermal hydraulics) for nuclear power reactor safety analyses. Its goal is to disseminate documents and thermal hydraulic/severe accident experimental data from large in-house JRC scientific projects and from other European experiments. It supports the European NUGENIA network for Severe Accident data preservation and is a reference repository of EU experimental data. Its political relevance lays in the accomplishment of Euratom objectives to promote research and ensure the dissemination of technical information.

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How to cite:
Pla, Patricia; Tanarro Colodron, Jorge; Matselyukh, Oksana; Ammirabile, Luca(2000): Storage of Thermal REactor Safety Analysis Data - Tools, experiments and data. European Commission, Joint Research Centre (JRC) [Dataset]

Keywords:
code assessment, experimental data preservation, integral and separate effect test facilities, knowledge management, nuclear safety, severe accident, thermal hydraulics

Related resources:
Data access
STRESA - test experiments - tools and data
Restricted information system containing different features and tools for the registered user, in which the experiments database would be the core functionality. Every user may be registered into the information system by just contacting the information system administrator.
https://stresa.jrc.ec.europa.eu/home

Publications
The new STRESA tool for preservation of thermalhydraulic experimental data produced in the European Commission

Additional information:
Last Modified: 2015-06-25
Issue date: 2000-01-01
Landing page: https://stresa.jrc.ec.europa.eu/
Geographic area: Oceania, Africa, America, Europe, Antarctica, Asia
Update frequency: None
Language: English
Data theme(s): Energy; Science and technology