

International Conference on Fast Reactors and Related Fuel Cycles: Next Generation Nuclear Systems for Sustainable Development (FR17)



Contribution ID: 240

Type: POSTER

Comparative analysis of nuclear energy lexicon

Wednesday, June 28, 2017 5:50 PM (1h 10m)

The results of the analysis of terminological subsets of the characteristic lexicon, that is used for semantic identification of scientific and technical information in the field of fast neutron reactors is discussed. Describes the procedure of automatic formation of ordered dictionaries reference lexicon based on the full text processing of documents – scientific reports, dissertations, articles, technical documentation. The methods of linguo-statistical analysis of full texts stand out characteristic terms are represented by word expressions. Preliminary analysis showed that the vocabulary of documents, generated and used at different stages of the nuclear knowledge life cycle, differently correlated with the INIS thesaurus lexicon. Largest intersection (over 50%) has a vocabulary of documents relating to the research and educational activities. Minimum intersection (less than 10%) - the terminology of the operational documentation.

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Session Classification: Poster Session 2

Track Classification: Track 8. Professional Development and Knowledge Management