

Proceeding of the Korean Nuclear Society Autumn Meeting
Seoul, Korea, October 1998

Integrated Knowledge Base Tool for Acquisition and Verification of NPP Alarm Systems

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Abstract

Knowledge acquisition and knowledge base verification are important activities in developing knowledge-based systems such as alarm processing systems. In this work, we developed the integrated tool, for knowledge acquisition and verification of NPP alarm processing systems, by using G2 tool. The tool integrates document analysis method and ECPN matrix analysis method, for knowledge acquisition and knowledge verification, respectively. This tool enables knowledge engineers to perform their tasks from knowledge acquisition to knowledge verification consistently.