

Performance Of The VAX 11/785 Data Acquisition System At The KFUPM Energy Research Laboratory

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**Nuclear Science, IEEE Transactions on; Publication Date: Feb 1989; Vol: 36, Issue: 1,
Part 1**

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Summary

The VAX 785 XSYS data acquisition and analysis system at the Energy Research Laboratory (ERL) of King Fahd University of Petroleum and Minerals has been in use since June 1987. The authors describe features unique to the ERL system and present data on the various aspects of its performance in comparison with other XSYS installations, including data acquisition, sorting, and dumping onto disks and tapes. Results show the effects of data rates and key system parameters on both system deadtime and CPU (central processing unit) time usage

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