

Tm - 497



MECHANIZED INFORMATION RETRIEVAL FROM ABSTRACTS
LITERATURE IN CHEMICAL ENGINEERING USING IBM 1620

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A B S T R A C T

Hundred and seventy four abstracts in the field of chemical engineering reported in the 1966 and 1967 issues of the Indian Science Abstracts have been used as input data for this experimental information retrieval system. Two files viz. an abstracts file and a keyword file are simultaneously generated by an input programme and these are stored on magnetic disk memory. A search programme is developed to retrieve 1) patents, standards or theses; 2) documents published in a specified number of journals; 3) documents reported by scientists working at a number of specified institutions; 4) relevant documents by searching through keywords; and 5) patents or theses describing the subject content by keywords(s). The programmes have been written in SPS-11D language. For each of the search alternatives, provision is made, in the search programme, to supply the user with a mere citation or citation alongwith the abstract of the document according to the user's choice. Sample outputs for a few hypothetical searches are given. Possible refinements and useful extension of the work in this experiment are pointed out.

CONTENTS

1. Introduction	1-6
2. Formulation of the Problem	7-9
3. Methodology	10-12
4. Source Data and Document Description	13-15
5. Input Preparation	16-24
6. File Generation	25-29
7. File Manipulation	30-32
8. Search Programme	33-46
9. Some Hypothetical Searches	47-48
10. Problems Encountered and <u>ad hoc</u> Solutions	49-51
11. Concluding Comments	52-53
12. Bibliography	54-55
 Annexures	 1-14