

ACKNOWLEDGEMENT

MULTIATTRIBUTE DECISION ANALYSIS FOR INDUSTRIAL DEVELOPMENT:

THE CASE OF A SPECIAL ECONOMIC ZONE IN CHINA

BY

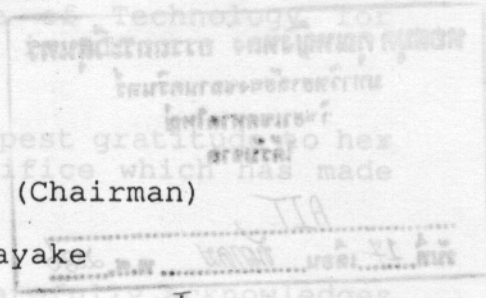
YU ZHIJING



Special word of appreciation to all dear friends in of whose names will always be in her mind for their help support and encouragement.

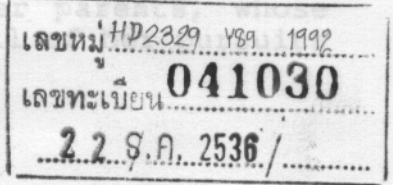
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TABLE Abstract CONTENTS

This study proposes a quantitative approach to investigate the relative strengths and weaknesses of industrial zones and to analyze the appropriateness of industries for promotion. The approach involved two phases. Phase I examines the information of industrial sector obtained from data envelopment analysis (DEA) in comparative studies of the efficiency of decision-making units (special economic zones). And it discusses the interpretation and practical usefulness of such information. For those inefficient units, DEA is used to identify comparable efficient units and set performance targets for the former one. In phase II, by using the finding of DEA assessment on appropriate criteria, we develop an AHP model to determine the type of industries suited for the condition of the region in order to improve industrial sector's efficiency. The model developed in this study is a general model, it can be applied in those industrial sectors which have weak performance. The model developed in this study is applied to the case of selected special economic zones of China.

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