

# TABLE OF CONTENTS

<b>A. POSTMORTEM OF AN EXAMPLE</b>	
1. The stages of decision-making.....	2
2. The aim of graphics: a higher level of information	
2.1 Useful information.....	11
2.2 Information levels.....	12
2.3 Measurement of useless constructions.....	15
3. The three successive forms of graphic application	
3.1 The matrix analysis of a problem.....	17
3.2 Graphic information-processing.....	20
3.3 Graphic communication.....	22
3.4 Outline of work.....	22
<b>B. GRAPHIC CONSTRUCTIONS</b>	
1. A "synoptic" of graphic constructions.....	24
2. Permutation matrices	
2.1 The reorderable matrix.....	32
2.2 The weighted matrix.....	60
2.3 The image-file.....	70
2.4 The matrix-file.....	86
2.5 The array of curves.....	90
3. Ordered tables	
3.1 Tables with 1, 2 or 3 characteristics.....	100
3.2 Superimpositions and collections of tables.....	123
4. Reorderable networks.....	129
5. Ordered networks: topography and cartography	
5.1 Information provided by a map.....	139
5.2 The base map.....	141
5.3 Cartography with one ordered characteristic.....	145
5.4 Cartography with several characteristics.....	152
<b>C. THE GRAPHIC SIGN SYSTEM</b> <b>(A Semiological Approach to Graphics)</b>	
1. Specificity of graphics.....	176
2. The bases of graphics.....	180
3. Variables of the image: the plane, size and value.....	186
4. Differential variables.....	213
5. The law of visibility.....	228
6. Summary.....	230
<b>D. THE MATRIX ANALYSIS OF A PROBLEM AND THE</b> <b>CONCEPTION OF A DATA TABLE.....</b>	<b>233</b>
1. The apportionment table.....	235
2. The homogeneity schema.....	240
3. The pertinency table.....	245
4. Applications of matrix analysis.....	251
<b>CONCLUSION.....</b>	<b>265</b>