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The IBM 1275 Recognition System and Its Development

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Zeichenerkennung durch biologische und technische Systeme / Pattern Recognition in…

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Abstract

Magnetic Ink Character Recognition (MICR) was developed about 10 years ago for the automation of cheque and transfer processing in banks and Postgiro's. In the U.S.A. the E-13B type fount was developed and in Europe CMC-7; their general characteristic is eight characters per inch printing pitch, special printing equipment and a fairly high degree of print quality control. In continental Europe, MICR has not been applied extensively and there is a strong trend noticeable towards Optical Character Recognition (OCR). The primary reason for this is a ten character per inch printing pitch which allows for the use of regular printers, e.g. high-speed printers. It is felt that OCR can provide a better balance between document preparation and reading costs. The subject recognition system was developed specifically with this reasoning in mind. Details of this development are given below.

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References

1. IBM 1275 Optical Reader/Sorter. IBM Systems Reference Library form A19–0034.

2. Leimer, J. J.: Design factors in the development of an optical character recognition machine, IRE Transaction on Information Theory, **I T-8**, 167–171 (1962).

3. IBM J Research and Development, **12**, 346–371 (1968).

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About this paper

Cite this paper

Van Steenis, H. (1971). The IBM 1275 Recognition System and Its Development. In: Grüsser, OJ., Klinke, R. (eds) Zeichenerkennung durch biologische und technische Systeme / Pattern Recognition in Biological and Technical Systems. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-642-65175-5_24

.RIS .ENW .BIB

DOI
https://doi.org/10.1007/978-3-642-65175-5_24

Publisher Name
Springer, Berlin, Heidelberg

Print ISBN
978-3-642-65176-2

Online ISBN
978-3-642-65175-5

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