In order to encourage research in the field of pattern recognition, the IEEE Computer Society’s Technical Committee on Pattern Recognition has begun collecting data bases from a variety of sources. These data bases, including substantial back-up documentation, may be ordered by using the form at the bottom of the page.

Discounts off the data base list prices are available to IEEE members and members of the American Federation of Information Processing Societies’ constituent societies.

When ordering, you may elect to send us your own blank tapes; if you do, be sure they are in good condition and have no other data recorded on them.

1.1.1 Machine Imprinted Alphanumeric Characters – Dr. H. F. Ryan, Cornell Aeronautical Laboratory, Inc/U.S. Postal Service
An alphanumeric character data base (normalized version) of 100,000 samples of 66 character classes. (Also known as the CAL-US. Postal Service Alphanumeric Character Data Base.) Thresholded binary images of segmented, centered, mixed-font, machine-imprinted characters. Resolution is 24 x 24. Magnetic tape, 9 track, 2 reels, 1600 BPI.

Price: $123.75 ($75.50 with furnished tapes)
Member's discount price: $99. ($60. with furnished tapes)

1.1.1A Machine Imprinted Alphanumeric Characters – Dr. H. F. Ryan, Cornell Aeronautical Laboratory, Inc/U.S. Postal Service
An unnormalized version of an alphanumeric character data base which contains approximately 50,000 characters constituting a training data base (CALTRN) and 50,000 characters constituting a testing data base (CALTST). Magnetic tape, 9 track, 2 reels, 800 BPI.

Price: $123.75 ($75.50 with furnished tapes)
Member's discount price: $99 ($60. with furnished tapes)

1.2.1 Handprinted Numeric Characters – Dr. A. L. Knoll, Honeywell Information Systems, Data Systems Division
The data base consists of 50 samples of each numeric character generated by 9 different authors. Simple printing rules were specified but not always followed. The samples were selected from those contributed. The images are binary with a resolution of 25 x 21. Punched cards.

Price: $41.25
Member's discount price: $33.

1.2.2 Handprinted FORTRAN Alphanumeric Characters – Dr. John H. Munson, Stanford Research Institute
The data base consists of two parts, with each part on a reel. The first part contains 3 alphabets of 46 characters, corresponding to the non-blank character set of the basic FORTRAN language, hand-printed by each of 49 authors making a total of 3 x 46 x 49 = 6762 patterns.

The second part has 2,999 characters printed by a single author. There are 920 characters made up of 20 alphabets of 46 characters each; the remaining 2,079 characters are taken from fragments of actual coding sheets. The images are binary with a 24 x 24 resolution. Magnetic tape, 7 track, 2 reels, 556 BPI.

Price: $116.75 ($75.75 with furnished tapes)
Member's discount price: $93. ($60. with furnished tapes)

1.2.3 Handprinted Alphanumeric Characters – Dr. W. H. Highleyman, Sombers Associates
There are approximately 2300 samples of alphanumeric characters. The images are binary with a resolution of 12 x 12. Punched cards.

Price: $55.
Member's discount price: $44.

1.2.4 Handprinted Numeric Characters – Hiroshi Genchi, Tokyo Shibaura Electric Co., Ltd/Toshiba Research and Development Center
The data base consists of 10,000 hand written numeric characters collected from live as well as experimental mail throughout Japan. The data base is contained on two magnetic tapes with each tape having 5,000 characters. Images are binary with a resolution of 36 x 50. A single pattern consists of 56 words. Magnetic tape, 7 track, 2 reels. 556 BPI, 6 bits per character.

Price: $115.25 ($68.75 with furnished tapes)
Member's discount price: $93. ($55. with furnished tapes)

1.3.1 Cursive Script – Dr. L. D. Harmon, Bell Telephone Laboratories
The data consists of 52 cursive script sentences. The resolution for each sentence is 256 (vertically) x 2048 (horizontally). The images are binary. Magnetic tape, 7 track, 1 reel, 200 BPI.

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