Individual English Handwriting Synthesis

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Abstract

Handwriting is considered as an input method through pen-based or touch-based mean. Consequently, it is an unique feature preserving users’ individuality. Since, it is becoming more lively aspect of user interaction, it is a very facile and more theoretical measure to reproduce an individual’s cursive and noncursive English handwriting from ASCII transcription. Special input arrangement is designed to collect user’s natural handwriting. Then, the system depicts the individuality features and characteristics of anyone’s handwriting that machine learns afterwards. And at last, at a given set of instructions, for any set of ASCII value, user natural handwriting is synthesized hierarchically.

References


Index Terms

Computer Science Information Sciences

Keywords

Control point, Glyphs, Stroke, Ligature, Bezier Curve, 1-D Gabor Filter, Slant, Pressure, Semi Supervised Machine Learning