

Classification and Reconstruction of Chinese Font Style

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October 4, 2017

1 target

We propose to use machine learning to identify the font style of a given Chinese calligraphy, and then reconstruct a Chinese character of the aimed font style given the character of another font style.

2 Data Acquisition

We use standard font files(.ttf files provided by windows system) to generate Chinese characters images of 5 different styles Kai, Song, Zhuan, Xing, Li and use Matlab to read those images. The method to extract images from .ttf files is to use C+OpenGL+FreeType programs, which can be downloaded from github.