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Abstract

The study of calligraphy has always been a challenging problem for people without a Kanji cultural background. It is difficult for novices to understand the balance in Chinese characters, the stroke order, and the stroke thickness. Previous studies have been conducted to guide users to write calligraphy through electrical stimulations and have been made to evaluate calligraphy fonts by recording calligraphy traces through tablet computers. However, the way of electrical stimulation can easily interfere with the beautiful font of learners, and it isn't straightforward for users to restore the real environment of traditional calligraphy learning. In this work, we propose a calligraphy support system by combining image matching, image blending, and projection mapping. Providing users with multiple results similar to current writing, the users are instructed on how to write the correct strokes. Experimental results show that our system can effectively support calligraphy learners.