

Emotion Teaching Interfaces using Emoticons and Emojis for Finger Braille Emotion Teaching System

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Abstract. Some deafblind persons utilize Finger Braille, a communication medium using tactile sense, to communicate each other. Deafblind persons can communicate words, if they are trained in Finger Braille, and also communicate varied emotions by Finger Braille. In this work, the emojis and emoticons were applied to the emotion teaching interfaces in order to develop Finger Braille emotion teaching system. Two novel emojis for joy, anger and sadness were selected, respectively. The best depicted emoticons for joy, anger and sadness were also selected, respectively. Then we designed six emotion teaching interfaces with the emojis and three ones with the emoticons. We conducted the evaluation experiment which evaluate the associable emotion teaching interfaces for joy, anger and sadness, respectively. As a result, the emojis Anger D and Sadness D were associated the best with anger and sadness, respectively; the emoticon Joy 1 was associated the best with joy.