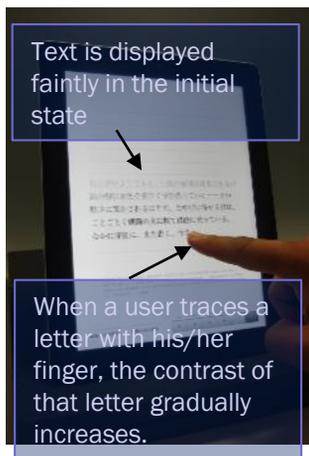


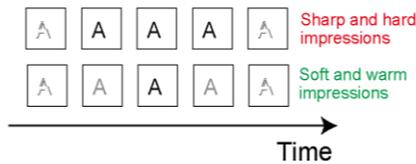
### Abstract

We have developed a new method to display dynamic digital text, called "Yu bi Yomu." Letters on the display of "Yu bi Yomu" are initially presented with low contrast, but when users trace them with a finger, their contrast becomes higher. In "Yu bi Yomu", the reading position is directly linked to the finger position. This characteristic can be used to visualize users' reading behavior. "Yu bi Yomu" also enhances the ability of users to remember what they have read. In addition, when combined with voice recording and replay functions, it can make a legible and impressive dynamic text display without effort. These characteristics make "Yu bi Yomu" useful in several ways in education and communication, for instance, as an online education tool or as an e-mail reader.

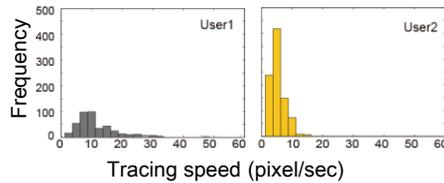
### "Yu bi Yomu": Dynamic text display using finger tracing



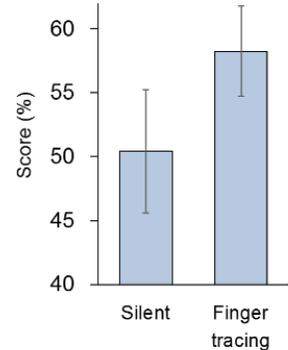
#### 1. Modulation of reading impression



#### 2. Individual differences for personalizing dynamic texts

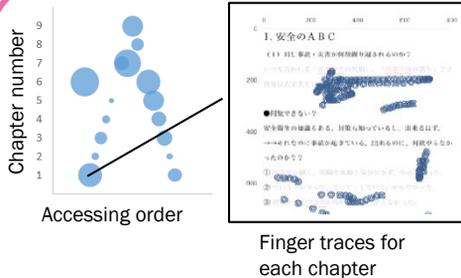


#### 3. Memory enhancement



#### 4. Easy to make legible dynamic texts

#### Visualization of user's reading

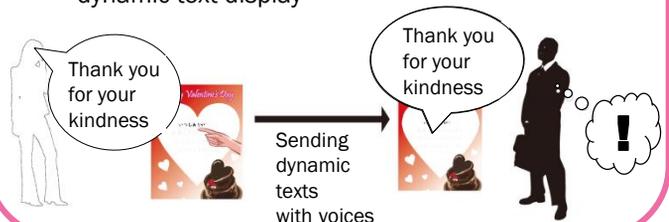


- Easy monitoring of learning behavior

#### Combination with voice functions

- Voice recording during tracing
- Voice playing in synchrony with dynamic text display

Good for brief communications via e-mail, read-aloud picture books, or as an education application.



### Related works

K. Maruya, J. Watanabe, H. Takahashi, S. Hashiba, "A Learning system utilizing learners' active tracing behaviors," in Proc. The 5th International Conference on Learning Analytics and Knowledge, 2015.

### Contact

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