

Pen Input Interface

March, 2008

Abstract

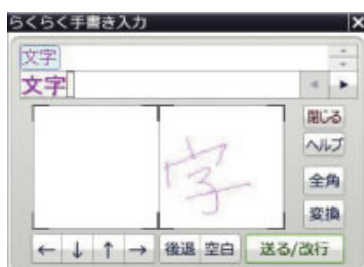
Pen-Input Technology based on On-Line Handwriting Character Recognition (OLCR) methods helps realize efficient and user friendly man-machine interface for various application field such as mobile computing, reception desk and education. We are developing high performance OLCR modules and sophisticated pen interface modules that will lead to many kinds of innovative applications in the field.

Technology

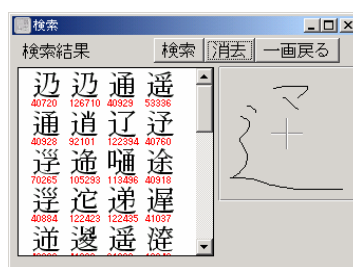
- **On-Line Handwriting Character Recognition (OLCR) Technology**
 - Hybrid character recognition system that combines complementary online and offline methods and overcomes the weak points of each to achieve top-level recognition accuracy.
 - User adaptation technology that improves recognition accuracy by using OLCR.
 - Non-frame handwriting recognition that can recognize handwriting strings in a free memo.
- **Kanji Character Search by Handwriting**
 - The Kanji character search module enables to input of a Kanji character among over eighty thousand Kanji characters.
 - The Kanji character search module enables to recognize a Kanji character not only by writing the whole Kanji character but also by writing a part of the Kanji character.
- **Handwriting eLearning System**
 - Character evaluation technology enables handwriting eLearning system, which can point out mistakes of a handwriting character such as a mistake about stroke order, a mistake about intersection and a mistake about an upward brushstroke.

Application Examples

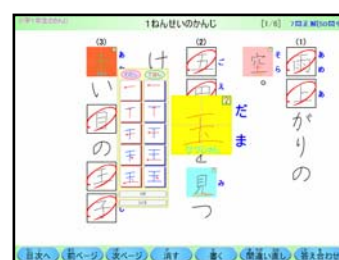
- Easy Handwriting Input Panel
- Japanist for Pocket PC
- Kanji Character Search by handwriting
- Interstage Charset Manager
- Handwriting eLearning System



Easy Handwriting Character Input Panel



Kanji Character Search by handwriting



Handwriting eLearning System

Related Links

- [FUJITSU SCIENTIFIC & TECHNICAL JOURNAL, 2004-6 (Vol.40, No.1)] Online Handwriting Recognition Technology and Its Applications
<http://www.fujitsu.com/downloads/MAG/vol40-1/paper23.pdf>