



The Alphaslider: A Compact and Rapid Selector

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Research has suggested that rapid, serial, visual presentation of text (RSVP) may be an effective way to scan and search through lists of text strings in search of words, names, etc. The Alphaslider widget employs RSVP as a method for rapidly scanning and searching lists or menus in a graphical user interface environment. The Alphaslider only uses an area less than $7 \times 2.5\text{cm}^2$. An experiment was conducted with four Alphaslider designs which showed that novice Alphaslider users could locate one item in a list of 10,000 film titles in 24 seconds on average.

Specification of Interface Interaction Objects

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User Interface Management Systems have significantly reduced the effort required to build a user interface. However, current systems assume a set of standards 'widgets' and make no provisions for defining new ones. This forces user interface designers to either do without or laboriously build new widgets with code. The Interface Object Graph is presented as a method for specifying and communicating the design of interaction objects or widgets. Two sample specifications are presented, one for a secure switch and the other for a two dimensional graphical browser.